

2013 PROPOSED CHANGES TO THE ADMINISTRATIVE PROVISIONS

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TENTATIVE ORDER OF DISCUSSION 2013 PROPOSED CHANGES TO THE ADMINISTRATIVE PROVISIONS

The following is the tentative order in which the proposed changes to the code will be discussed at the public hearings. Proposed changes which impact the same subject have been grouped to permit consideration in consecutive changes.

Proposed change numbers that are indented are those which are being heard out of numerical order. Indentation **does not** necessarily indicate that one change is related to another. Proposed changes may be grouped for purposes of discussion at the hearing at the discretion of the chair. Note that some I-ADMIN code change proposals may not be included on this list, as they are being heard by other committees. Please consult the Cross Index of Proposed Changes.

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ADM1 – 13

PART I - IBC: [A] 101.2, ICCPC: [A] 102.1, IEBC: [A] 101.2, IFGC: [A] 101.2, IMC: [A] 101.2, IPC: [A] 101.2, IPSDC: [A] 101.2, IPMC: [A] 101.2, IWUIC: [A] 101.2, IZC: [A] 101.3;

PART II - IECC: C101.2;

PART III - IECC: R101.2;

PART IV - IRC: R101.2;

PART V - ISPSC: 101.2

THIS IS A 5 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART VI WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Al Godwin, CBO, CPM, representing Aon Fire Protection Engineering Corporation.

PART I – IBC; ICCPC; IEBC; IFGC; IMC; IPC; IPSDC; IPMC; IWUIC; IZC

Revise the International Building Code as follows:

IBC [A] 101.2 Scope. The provisions of this code shall apply to the construction, *alteration*, relocation, enlargement, replacement, *repair*, equipment, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures. The provisions shall also apply to usage of the surrounding site and access to and from the building, structure or site, as necessary to achieve the purpose of this code.

Exception: Detached one- and two-family *dwelling*s and multiple single-family *dwelling*s (*townhouses*) not more than three *stories* above *grade plane* in height with a separate *means of egress* and their accessory structures shall comply with the *International Residential Code*.

Revise the International Code Council Performance Code as follows:

ICCPC [A] 102.1 Building. Part II of this code provides requirements for buildings and structures and includes provisions for structural strength, stability, sanitation, means of access and egress, light and ventilation, safety to life and protection of property from fire and, in general, to secure life and property from other hazards affecting the built environment. This code includes provisions for the use and occupancy of buildings, structures, facilities and premises, their alteration, repair, maintenance, removal, demolition, and the installation and maintenance of all amenities including, but not limited to, such services as the electrical, gas, mechanical, plumbing, energy conservation and building transportation systems. The provisions shall also apply to usage of the surrounding site and access to and from the building, structure or site, as necessary to achieve the purpose of this code.

Revise the International Existing Building Code as follows:

IEBC [A] 101.2 Scope. The provisions of the *International Existing Building Code* shall apply to the *repair, alteration, change of occupancy, addition* and relocation of existing buildings. The provisions shall also apply to usage of the surrounding site and access to and from the building, structure or site, as necessary to achieve the purpose of this code.

Revise the International Fuel Gas Code as follows:

IFGC [A] 101.2 Scope. This code shall apply to the installation of fuel-gas *pipng* systems, fuel gas appliances, gaseous hydrogen systems and related accessories in accordance with Section 101.2.1 through 101.2.5. The provisions shall also apply to usage of the surrounding site and access to and from the building, structure or site, as necessary to achieve the purpose of this code.

Exception: Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress and their accessory structures shall comply with the *International Residential Code*.

Revise the International Mechanical Code as follows:

IMC [A] 101.2 Scope. This code shall regulate the design, installation, maintenance, *alteration* and inspection of mechanical systems that are permanently installed and utilized to provide control of environmental conditions and related processes within buildings. This code shall also regulate those mechanical systems, system components, *equipment* and appliances specifically addressed herein. The installation of fuel gas distribution piping and *equipment*, fuel gas-fired appliances and fuel gas-fired *appliance* venting systems shall be regulated by the *International Fuel Gas Code*. The provisions shall also apply to usage of the surrounding site and access to and from the building, structure or site, as necessary to achieve the purpose of this code.

Exception: Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress and their accessory structures shall comply with the *International Residential Code*.

Revise the International Plumbing Code as follows:

IPC [A] 101.2 Scope. The provisions of this code shall apply to the erection, installation, alteration, repairs, relocation, replacement, addition to, use or maintenance of plumbing systems within this jurisdiction. This code shall also regulate nonflammable medical gas, inhalation anesthetic, vacuum piping, nonmedical oxygen systems and sanitary and condensate vacuum collection systems. The installation of fuel gas distribution piping and equipment, fuel-gas-fired water heaters and water heater venting systems shall be regulated by the *International Fuel Gas Code*. Provisions in the appendices shall not apply unless specifically adopted. The provisions shall also apply to usage of the surrounding site and access to and from the building, structure or site, as necessary to achieve the purpose of this code.

Exception: Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress and their accessory structures shall comply with the *International Residential Code*.

Revise the International Private Sewage Disposal Code as follows:

IPSDS [A] 101.2 Scope. The provisions of this code shall apply to the installation and maintenance of private sewage disposal systems. The provisions shall also apply to usage of the surrounding site and access to and from the building, structure or site, as necessary to achieve the purpose of this code. Septic tank and effluent absorption systems or other treatment tank and effluent disposal systems shall be permitted where a public sewer is not available to the property served. Unless specifically approved, the *private sewage disposal system* of each building shall be entirely separate from and independent of any other building. The use of a common system or a system on a parcel other than the parcel where the structure is located shall be subject to the full requirements of this code as for systems serving public buildings.

Revise the International Property Maintenance Code as follows:

IPMC [A] 101.2 Scope. The provisions of this code shall apply to all existing residential and nonresidential structures and all existing *premises* and constitute minimum requirements and standards for *premises*, structures, equipment and facilities for light, *ventilation*, space, heating, sanitation, protection from the elements, life safety, safety from fire and other hazards, and for safe and sanitary maintenance; the responsibility of *owners*, *operators* and *occupants*; the *occupancy* of existing structures and *premises*, and for administration, enforcement and penalties. The provisions shall also apply to usage of the surrounding site and access to and from the building, structure or site, as necessary to achieve the purpose of this code.

Revise the International Wildland-Urban Interface Code as follows:

IWUIC [A] 101.2 Scope. The provisions of this code shall apply to the construction, alteration, ~~movement~~, relocation, enlargement, replacement, repair, maintenance and use any building or structure or any appurtenances connected or attached to such buildings or structures. The provisions shall also apply to usage of the surrounding site and access to and from the building, structure or site, as necessary to achieve the purpose of this code.

Buildings or conditions in existence at the time of the adoption of this code are allowed to have their use or occupancy continued, if such condition, use or occupancy was legal at the time of the adoption of this code, provided such continued use does not constitute a distinct danger to life or property.

Buildings or structures moved into or within the jurisdiction shall comply with the provisions of this code for new buildings or structures.

Revise the International Zoning Code as follows:

IZC [A] 101.3 Scope. The provisions of this code shall apply to the construction, addition, alteration, moving, repair and use of any building, structure, parcel of land or sign within a jurisdiction, except work located primarily in a public way, public utility towers and poles and public utilities unless specifically mentioned in this code. The provisions shall also apply to usage of the surrounding site and access to and from the building, structure or site, as necessary to achieve the purpose of this code.

Where there is conflict between a general requirement and a specific requirement, the specific requirement shall be applicable. Where, in any specific case, different sections of this code specify different requirements, the more restrictive shall govern.

In fulfilling these purposes, this ordinance is intended to benefit the public as a whole and not any specific person or class of persons. Although, through the implementation, administration and enforcement of this code, benefits and detriments will be enjoyed or suffered by specific individuals, such is merely a byproduct of the overall benefit to the whole community. Therefore, unintentional breaches of the obligations of administration and enforcement imposed on the jurisdiction hereby shall not be enforceable in tort.

If any portion of this code is held invalid for any reason, the remaining herein shall not be affected.

PART II – IECC-COMMERCIAL

Revise the International Energy Conservation Code-Commercial as follows:

IECC [A] C101.2 Scope. This code applies to *commercial buildings* and the buildings sites and associated systems and equipment. The provisions shall also apply to usage of the surrounding site and access to and from the building, structure or site, as necessary to achieve the purpose of this code.

PART III – IECC-RESIDENTIAL

Revise the International Energy Conservation Code-Residential as follows:

IECC [A] R101.2 Scope. This code applies to *residential buildings* and the buildings sites and associated systems and equipment. The provisions shall also apply to usage of the surrounding site and access to and from the building, structure or site, as necessary to achieve the purpose of this code.

PART IV – IRC

Revise the International Residential Code as follows:

IRC R101.2 Scope. The provisions of the *International Residential Code for One- and Two-family Dwellings* shall apply to the construction, *alteration*, movement, enlargement, replacement, repair, equipment, use and occupancy, location, removal and demolition of detached one- and two-family dwellings and townhouses not more than three stories above *grade plane* in height with a separate means of egress and their *accessory structures*. The provisions shall also apply to usage of the surrounding site and access to and from the building, structure or site, as necessary to achieve the purpose of this code.

Exceptions:

1. Live/work units complying with the requirements of Section 419 of the *International Building Code* shall be permitted to be built as one- and two-family *dwellings* or townhouses. Fire suppression required by Section 419.5 of the *International Building Code* when constructed under the *International Residential Code for One- and Two-family Dwellings* shall conform to Section P2904.
2. Owner-occupied lodging houses with five or fewer guestrooms shall be permitted to be constructed in accordance with the *International Residential Code for One- and Two-family Dwellings* when equipped with a fire sprinkler system in accordance with Section P2904.

PART V – ISPSC

Revise the International Swimming Pool and Spa Code as follows:

ISPSC 101.2 Scope. The provisions of this code shall apply to the construction, alteration, movement, renovation, replacement, repair and maintenance of *aquatic vessels*. The provisions shall also apply to usage of the surrounding site and access to and from the building, structure or site, as necessary to achieve the purpose of this code.

Reason: There are various provisions in all codes that deal with the site area, yet scoping provisions over the site are not provided. The purpose of this change is to identify that the site is also regulated by these codes.

The Fire Code, Section 101.2, item 3 already lists fire hazards on the “premise.” Thus, it recognizes site as part of the code.

Examples of site requirements in various codes:

Part I –

- IBC - Area increase, exterior wall fire rating, unlimited area yards, accessibility, means of egress to a public way, etc.
- ICCPC - Section 702.3 provides for access and movement on and around the site. Section 1701.2.5 deals with vegetation outside the building.
- IEBC - Area increase, accessibility, means of egress to a public way, etc.
- IFGC - Section 404.12 specifies the minimum burial depth of gas piping. Section 404.17.1 and 404.17.1, exception 3, prohibit plastic pipe from being installed under a slab unless certain conditions are met. Thus, a change in grade or the installation of a slab are items that affect the requirements for gas piping and should be regulated.
- IMC - Section 401.4, item 2, requires that air intake openings shall be separated from any hazardous or noxious contaminant source, such as vents, streets, alleys, parking lots and loading docks, unless openings are located not less than 25 feet vertically above such locations. As such, the installation of a parking lot near a ground level air intake opening would violate the intent and purpose of this code and should be regulated.

- IPC - Sections 1303, 1303.8, 1303.9.1, 1303.9.2, and 1303.9.3 all describe “site” draining, as well as, installation and design of gray water irrigation systems. Section 1303.8 specifically states “Private sewage disposal systems in compacted areas, such as parking lots and driveways, are prohibited. Surface water shall be diverted away from any soil absorption site on the same or neighboring lots.” As such, the installation of a parking lot and/or the change in site drainage should be regulated by this code.
- IPSDC - First Section 101.2 does not have any scoping language. It starts in by saying these systems are allowed. A scoping sentence is installed but may need more work. This was tried with code change ADM1-09/10 but may have been lost in the overall size of the change.
- Second, Section 401.3.2 specifies that the area for a “replacement system” is to be protected from becoming no longer suitable such as with the installation of a parking lot. Thus, the site needs to be protected.
- IPMC – Section 302 deals specifically with the surrounding site. Thus, the scoping for surrounding site would seem appropriate. IWUI - Section 101.2 needs some corrective language to match the other codes. Section 101.6 specifically states that maintenance of the landscape materials, vegetation and defensible space are to be maintained. These are all “site” issues. Thus, the scoping for surrounding site would seem appropriate.
- IZC - Section 103.3 requires the maintenance of “parcels” of land. Section 805.4 requires the maintenance of landscaping. And, the whole book is about setbacks.

Parts II and III –

- IECC – Commercial - Section C505.6 provides for outside lighting.
- IECC – Residential - “At this time there may not appear to be any exterior yard items that need protection. However, in case I missed something or there is a provision added in the future, it would be appropriate to have this provision.”

PART IV –

- IRC - Exterior wall rating, light and ventilation, emergency escape and rescue openings to a yard or court that opens to a public way

PART V –

- ISPSC - “The code addresses multiple issues outside of the actual pool such as fences, decks, access through buildings, etc.”

Cost Impact: This will not increase the cost of construction.

ADM1-13

PART I – IBC; ICCPC; IEBC; IFCG; IMC; IPC; IPSDC; IPMC; IWUIC; IZC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IECC-COMMERCIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – IECC-RESIDENTIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART IV – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART V – ISPSC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

[A] 101.2-ADM (ALL CODES)-GODWIN

ADM2 – 13

PART I – IBC: 101.2

PART II – IRC: R101.2, R202

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE. PART II WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Charles S. Bajnai, Chesterfield County, VA, ICC Building Code Action Committee and Virginia Building and Code Officials Association (bajnaic@chesterfield.gov)

PART I – IBC

Revise the International Building Code as follows:

IBC [A] 101.2 Scope. The provisions of this code shall apply to the construction, *alteration*, relocation, enlargement, replacement, *repair*, equipment, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures.

Exception: Detached one- and two-family *dwellings* and multiple single-family *dwellings* (*townhouses*) not more than three *stories* above *grade plane* in height with a separate *means of egress*, and their accessory structures not more than three stories above grade plane in height, shall comply with the *International Residential Code*.

PART II – IRC

Revise the International Residential Code as follows:

IRC SECTION R202 DEFINITIONS

ACCESSORY STRUCTURE. A structure ~~not greater than 3,000 square foot (279 m²) in floor area, and not over two stories in height, the use of which~~ that is customarily accessory to and incidental to that of the dwelling(s) and which is located on the same *lot*.

IRC R101.2 Scope. The provisions of the International Residential Code for One- and Two-family Dwellings shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, removal and demolition of detached one- and two-family dwellings and townhouses not more than three stories above grade plane in height with a separate means of egress and their accessory structures not more than three stories above grade plane in height.

Reason: This proposal is submitted by the ICC Building Code Action Committee (BCAC). The BCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance an assigned International Code or portion thereof. This includes both the technical aspects of the codes as well as the code content in terms of scope and application of referenced standards. Since its inception in July, 2011, the BCAC has held 6 open meetings and numerous workgroup calls which included members of the BCAC as well as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: <http://www.iccsafe.org/cs/BCAC/Pages/default.aspx>.

After a thorough investigation on the history of the code change that introduced a 3,000 square foot limitation on accessory structure, the BCAC discovered that there was no technical justification provided by the original proponent to limit the size of an accessory structure. After some extensive discussion, the BCAC decided that specifying a limitation on the size of the accessory structure should be a decision left to the building official as determined by local zoning ordinances.

Cost Impact: None

ADM2-13**PART I – IBC**

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

R101.2-RB-BAJNAI-BCAC

ADM3 – 13

IEBC [A] 101.2

Proponent: Jerry R. Tepe, FAIA, JRT•AIA ARCHITECT, representing The American Institute of Architects

Revise the International Existing Building Code as follows:

IEBC [A] 101.2 Scope. The provisions of the *International Existing Building Code* shall apply to the *repair, alteration, change of occupancy, addition and relocation of existing buildings.*

Exception: Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories above grade plane in height with a separate means of egress and their accessory structures and not required to comply with the International Existing Building Code.

Reason: The IEBC was never intended to apply to one- and two-family dwellings and townhouses, yet there is often confusion due to the broad definition of existing buildings. The IEBC started with the requirements currently found in Chapter 34 of the IBC which obviously applies only to commercial buildings. The IRC does have an Appendix J which sets requirements for similar changes to these residential buildings. The intent of this change is to only clarify the scope of the IEBC and eliminate any confusion. The proposed language is taken from the IBC but does not specifically require compliance with the IRC as appendices are optional and must be adopted to be applicable.

Cost Impact: None.

ADM3-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

[A] 101.2-ADM (IEBC)-TEPE

ADM4 – 13

IMC: [A] 101.2

Proponent: Ed Flanagan and Mike Quiroz, Alaska District Council of Laborers, representing Tim Sharp, Business Mgr/Secretary-Treasurer

Revise the International Mechanical Code as follows:

IMC [A] 101.2 Scope. This code shall regulate the design, installation, maintenance, alteration, and inspection of mechanical systems, including system components, equipment, and appliances specifically addressed herein, within buildings. ~~This code shall also regulate those mechanical systems, system components, equipment, and appliances specifically addressed herein.~~ The installation of fuel gas distribution piping and equipment, fuel gas-fired appliances, and fuel gas-fired appliance venting systems within buildings shall be regulated by the International Residential Code. Exception: Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress and their accessory structures shall comply with the International Residential Code.

Exception: Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress and their accessory structures shall comply with the *International Residential Code*.

Reason: The proposal clarifies the scope and application of the Code to systems and parts thereof within buildings only. Some jurisdictions have cited the existing second sentence as a “catch all” which enables them to apply the Code to installation of items exterior to buildings such as the buried loop piping for ground source heat pump systems.

Cost Impact: Cost impact, if any, would be to reduce the cost of construction by allowing more open competition among contractors (both mechanical or specialty and general or utility) for installation of piping exterior to a building.

ADM4-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

101.2-ADM (IMC)-FLANAGAN-QUIROZ

ADM5 – 13

PART I - IBC: 202; IFC: 202; IPMC: [A] 102.2, [A] 102.3, [A] 103.2, [A] 104.2, [A] 105.6, [A] 106.2, [A] 106.3, [A] 106.4, [A] 106.5, [A] 107.1, [A] 107.3, [A] 107.4, [A] 107.5(New), [A] 108.1, [A] 108.1.2, [A] 108.1.3, [A] 108.1.5, [A] 108.2, [A] 108.3, [A] 108.4, [A] 108.4.1, [A] 108.5, [A] 108.6, [A] 109.1, [A] 109.3, [A] 109.5, [A] 110.1, [A] 110.2, [A] 110.4, [A] 111.2, [A] 111.5, [A] 111.6, [A] 111.7, [A] 111.8, [A] 112.3, [A] 112.4, 202

PART II – IRC: 202

Proponent: Karen Blake, representing International Municipal Lawyers Association

PART I – IBC; IFC; IPMC

Revise the International Building Code as follows:

IBC SECTION 202 DEFINITIONS

[A] OWNER. Any person, agent, operator, entity, firm or corporation having a any legal or equitable interest in the property; or recorded in the official records of the state, county or municipality as holding an interest or title to the property; or otherwise having possession or control of the property, including the guardian of the estate of any such person, and the executor or administrator of the estate of such person if ordered to take possession of real property by a court.

Revise the International Fire Code as follows:

IFC SECTION 202 GENERAL DEFINITIONS

[A] OWNER. ~~A corporation, firm, partnership, association, organization and any other group acting as a unit, or a person who has legal title to any structure or premises with or without accompanying actual possession thereof, and shall include the duly authorized agent or attorney, a purchaser, devisee, fiduciary and any person having a vested or contingent interest in the premises in question. Any person,~~ agent, operator, entity, firm or corporation having any legal or equitable interest in the property; or recorded in the official records of the state, county or municipality as holding an interest or title to the property; or otherwise having possession or control of the property, including the guardian of the estate of any such person, and the executor or administrator of the estate of such person if ordered to take possession of real property by a court.

Revise the International Property Maintenance Code as follows:

IPMC SECTION 202 GENERAL DEFINITIONS

~~**CONDEMN.** To adjudge unfit for occupancy.~~

DAYS. Calendar days.

[A] OWNER. Any person, agent, operator, entity, firm or corporation having a any legal or equitable interest in the property; or recorded in the official records of the state, county or municipality as holding an interest or title to the property; or otherwise having possession or control of the property, including the guardian of the estate of any such person, and the executor or administrator of the estate of such person if ordered to take possession of real property by a court.

IPMC SECTION 102 APPLICABILITY

IPMC [A] 102.2 Maintenance. Equipment, systems, devices and safeguards required by this code or a previous regulation or code under which the structure or *premises* was constructed, altered or repaired shall be maintained in a safe and good working order. No *owner, operator* or *occupant* shall cause any service, facility, equipment or utility which is required under this section to be removed from or shut off from or discontinued for any occupied dwelling, except for such temporary interruption as necessary while repairs or alterations are in progress where approved by the code official. The requirements of this code are not intended to provide the basis for removal or abrogation of fire protection and safety systems and devices in existing structures. Except as otherwise specified herein, the *owner* or the *owner's* designated agent shall be responsible for the maintenance of buildings, structures and *premises*.

IPMC [A] 102.3 Application of other codes. Repairs, additions or alterations to a structure, or changes of *occupancy*, shall be done in accordance with ~~the~~ locally adopted procedures and provisions of the *International Building Code, International Energy Conservation Code, International Fire Code, International Fuel Gas Code, International Mechanical Code, International Residential Code, International Plumbing Code* and NFPA 70. Nothing in this code shall be construed to cancel, modify or set aside any provision of the *International Zoning Code* or the jurisdiction's zoning ordinance.

IPMC SECTION 103 DEPARTMENT OF PROPERTY MAINTENANCE INSPECTION

IPMC [A] 103.2 Appointment and authority. The *code official* shall be appointed by the chief appointing authority of the jurisdiction and shall be authorized to carry out the provisions of this code without further local government action unless otherwise required by law.

IPMC SECTION 104 DUTIES AND POWERS OF THE CODE OFFICIAL

IPMC [A] 104.2 Inspections. The *code official* shall make all of the required inspections, or shall be permitted to accept reports of inspection by *approved* agencies or individuals. All reports of such inspections shall be in writing and be certified by a responsible officer of such *approved* agency or by the responsible individual. The *code official* is authorized to engage such expert opinion as deemed necessary to report upon unusual technical issues that arise, subject to the approval of the appointing authority.

IPMC SECTION 105 APPROVAL

IPMC [A] 105.6 Research reports. Supporting data, where necessary to assist in the approval of materials or assemblies not specifically provided for in this code, shall ~~consist of~~ be permitted to include valid research reports from *approved* sources.

IPMC SECTION 106 VIOLATIONS

IPMC [A] 106.2 ~~Notice of violation~~ Enforcement. The *code official* shall ~~serve a notice of violation or order in accordance with Section 107~~ enforce this code through any or all of the following methods:

1. By issuing a notice of violation or order under Section 107;
2. By filing suit for abatement;
3. By issuing civil penalties; or
4. By pursuing criminal sanctions.

IPMC [A] 106.3 Options for prosecution of violation. The code official shall proceed through the issuance of a notice of violation or through a citation in any of the following ways:

1. Any person failing to comply with ~~a notice of violation or order served in accordance with Section 407~~ this code, including the orders and directions of the code official, shall be deemed guilty of a misdemeanor or civil infraction as determined by the local municipality, and the violation shall be deemed a *strict liability offense*.
2. If the notice of violation is not complied with, the *code official* shall be permitted to institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful *occupancy* of the structure in violation of the provisions of this code or of the order or direction made pursuant thereto.
3. Any civil action taken by the authority having jurisdiction ~~on such~~ to enforce this code on a premises shall be charged against the real estate upon which the structure is located and shall be a lien upon such real estate and in addition, constitute the personal liability jointly and severally of those responsible.

IPMC [A] 106.4 Violation penalties Separate offenses. ~~Any person who shall violate a provision of this code, or fail to comply therewith, or with any of the requirements thereof, shall be prosecuted within the limits provided by state or local laws.~~ Each day that a violation continues after due notice has been served shall be deemed a separate offense. For civil citations, separate citations shall not be necessary where so stated in the original notice.

IPMC [A] 106.5 Abatement of violation. The imposition of the penalties herein prescribed shall not preclude the legal officer of the jurisdiction from instituting appropriate action, including action to restrain, correct or abate a violation, or to prevent illegal *occupancy* of a building, structure or *premises*, or to stop an illegal act, conduct, business or utilization of the building, structure or *premises*.

IPMC SECTION 107 NOTICES AND ORDERS

IPMC [A] 107.1 Notice to person responsible. Whenever the *code official* determines that there has been a violation of this code or has grounds to believe that a violation has occurred, notice shall be given in the manner prescribed in Sections 107.2 and 107.3 to the person responsible for the violation as specified in this code. Notices for ~~condemnation~~ procedures shall also comply with Section 108.3. Failure to provide notice as required in this code does not relieve a person from civil or criminal liability for the violation, nor relieve them of responsibility for complying with this code or the orders and direction of the code official. Lack of notice to one of the responsible parties does not relieve others with notice of their obligation to comply with the code or the orders and direction of the code official.

IPMC [A] 107.3 Method of service. ~~Such notice shall be deemed to be properly served if a copy thereof is:~~ Notice shall be permitted to be served using any of the following methods:

1. Delivered personally;
2. Sent by certified or first-class mail addressed to the last known address; or
3. If the notice is returned showing that the letter was not delivered, a copy thereof shall be posted in a conspicuous place in or about the structure affected by such notice.

Such notice is effective upon actual receipt or three days after posting in the mail or after posting on the property.

IPMC [A] 107.4 Unauthorized tampering. Signs, tags or seals posted or affixed by the *code official* shall not be mutilated, destroyed or tampered with, or removed without authorization from the *code official* is unlawful and constitutes a violation of this code.

IPMC [A] 107.5 Penalties. Penalties for noncompliance with orders and notices shall be as set forth in Section 106.4.

(Renumber subsequent sections)

IPMC SECTION 108 UNSAFE STRUCTURES AND EQUIPMENT

IPMC [A] 108.1 General. When a structure or equipment is found by the *code official* to be unsafe, or when a structure is found unfit for human *occupancy*, or is found unlawful, such structure shall be ~~condemned~~ declared as such pursuant to the provisions of this code.

IPMC [A] 108.1.2 Unsafe equipment. Unsafe equipment includes, but is not limited to, any boiler, heating equipment, elevator, moving stairway, electrical wiring or device, flammable liquid containers or other equipment on the *premises* or within the structure which is in such disrepair or condition that such equipment is a hazard to life, health, property or safety of the public or *occupants* of the *premises* or structure.

IPMC [A] 108.1.3 Structure unfit for human occupancy. A structure is unfit for human *occupancy* whenever the *code official* finds that such structure is unsafe, unlawful or, because of the degree to which the structure is in disrepair or lacks maintenance, is insanitary, vermin ~~or rat~~ infested, contains filth and contamination, or lacks *ventilation*, illumination, sanitary or heating facilities or other essential equipment required by this code, or because the location of the structure constitutes a hazard to the *occupants* of the structure or to the public.

IPMC [A] 108.1.5 Dangerous *structure or premises*. For the purpose of this code, any structure or *premises* that has any or all of the conditions or defects described below shall be considered dangerous:

1. Any door, aisle, passageway, stairway, exit or other means of egress that does not conform to the *approved* building or fire code of the jurisdiction as related to the requirements for existing buildings.
2. The walking surface of any aisle, passageway, stairway, exit or other means of egress is so warped, worn loose, torn or otherwise unsafe as to not provide safe and adequate means of egress.
3. Any portion of a building, structure or appurtenance that has been damaged by fire, earthquake, wind, flood, *deterioration*, *neglect*, abandonment, vandalism or by any other cause to such an extent that it is likely to partially or completely collapse, or to become *detached* or dislodged.
4. Any portion of a building, or any member, appurtenance or ornamentation on the exterior thereof that is not of sufficient strength or stability, or is not so *anchored*, attached or fastened in place so as to be capable of resisting natural or artificial loads of one and one-half the original designed value.
5. The building or structure, or part of the building or structure, because of dilapidation, *deterioration*, decay, faulty construction, the removal or movement of some portion of the ground necessary for the support, or for any other reason, is likely to partially or completely collapse, or some portion of the foundation or underpinning of the building or structure is likely to fail or give way.
6. The building or structure, or any portion thereof, is clearly unsafe for its use and *occupancy*.
7. The building or structure is *neglected*, damaged, dilapidated, unsecured or abandoned ~~so as to become an attractive nuisance to~~ and not sufficiently secure to prevent children ~~who might play in from entering~~ the building or structure to their danger, becomes a harbor for vagrants, the homeless or criminals or immoral persons, or ~~enables not sufficiently secure to prevent~~ persons from entering ~~to resort to~~ the building or structure ~~for~~ and committing a nuisance or an unlawful act.
8. Any building or structure has been constructed, exists or is maintained in violation of any specific requirement or prohibition applicable to such building or structure provided by the *approved* building or fire code of the jurisdiction, or of any law or ordinance to such an extent as to present either a substantial risk of fire, building collapse or any other threat to life and safety.
9. A building or structure, used or intended to be used for dwelling purposes, because of inadequate maintenance, dilapidation, decay, damage, faulty construction or arrangement, inadequate light,

ventilation, mechanical or plumbing system, or otherwise, is determined by the *code official* to be unsanitary, unfit for human habitation or in such a condition that is likely to cause sickness or disease.

10. Any building or structure, because of a lack of sufficient or proper fire-resistance-rated construction, fire protection systems, electrical system, fuel connections, mechanical system, plumbing system or other cause, is determined by the *code official* to be a threat to life or health.
11. Any portion of a building remains on a site after the demolition or destruction of the building or structure or whenever any building or structure is abandoned so as to ~~constitute such building or portion thereof as an attractive nuisance or~~ become a hazard to the public or a nuisance.

IPMC [A] 108.2 Closing of vacant structures. If the structure is vacant and unfit for human habitation and *occupancy*, and is not in danger of structural collapse, the *code official* is authorized to post a placard ~~of condemnation~~ on the *premises* and order the structure closed up ~~so as not to be an attractive nuisance.~~ Upon failure of the *owner* to close up the *premises* within the time specified in the order, the *code official* shall cause the *premises* to be closed and secured through any available public agency or by contract or arrangement by private persons and the cost thereof shall be the personal responsibility of the owner and charged against the real estate upon which the structure is located and shall be a lien upon such real estate and shall be collected by any other legal resource.

IPMC [A] 108.3 Notice. Whenever the *code official* has ~~condemned~~ found a structure to be unfit for *occupancy* or a structure or equipment unsafe under the provisions of this section, notice shall be posted in a conspicuous place in or about the structure affected by such notice and served on the *owner* or the person or persons responsible for the structure or equipment in accordance with Section 107.3. Failure to receive the notice does not relieve the owner or person responsible from liability under this code, nor does that failure preclude the code official from acting to protect the public health and safety. If the notice pertains to equipment, it shall also be placed on the ~~condemned~~ unsafe equipment. The notice shall be in the form prescribed in Section 107.2.

IPMC [A] 108.4 Placarding. In addition to the procedures authorized in Section 108.2, when the code official has issued an unsafe abatement order, upon failure of the *owner* or person responsible to comply with the notice provisions within the time given, the *code official* shall post on the *premises* or on defective equipment a warning placard bearing the word "~~Condemned~~ DANGER – Unsafe/Unfit for Occupancy" and a statement of the penalties provided for occupying the *premises*, operating the equipment or removing the placard.

IPMC [A] 108.4.1 Placard removal. The *code official* shall remove the ~~condemnation~~ warning placard whenever the defect or defects upon which the ~~condemnation and placarding~~ action were based have been eliminated. Any person who defaces or removes a ~~condemnation~~ warning placard without the approval of the *code official* shall be subject to the penalties provided by this code.

IPMC [A] 108.5 Prohibited occupancy. Any occupied structure ~~condemned~~ found unsafe or unfit for human occupancy and placarded by the *code official* shall be vacated as ordered by the *code official*. Any ~~It shall be unlawful for a person who shall to~~ occupy a placarded *premises* or ~~shall to~~ operate placarded equipment, and any *owner* or any person responsible for the *premises* who ~~shall let~~ allow anyone to occupy a placarded *premises* or to operate placarded equipment shall be ~~liable for the penalties provided by a violation of~~ liable for the penalties provided by a violation of this code.

IPMC [A] 108.6 Abatement methods. The *owner*, *operator* or *occupant* of a building, *premises* or equipment deemed unsafe by the *code official* shall abate or cause to be abated or corrected such unsafe conditions either by repair, rehabilitation, demolition or other *approved* corrective action within the time and manner prescribed by the code official.

IPMC SECTION 109 EMERGENCY MEASURES

IPMC [A] 109.1 Imminent danger. When, in the opinion of the *code official*, there is *imminent danger* of failure or collapse of a building or structure which endangers life, or when any structure or part of a structure has fallen and life is endangered by the occupation of the structure, or when there is actual or potential danger to the building *occupants* or those in the proximity of any structure because of explosives, explosive fumes or vapors or the presence of toxic fumes, gases or materials, or operation of defective or dangerous equipment, the *code official* is hereby authorized and empowered to order and require the *occupants* to vacate the *premises* forthwith. The *code official* shall cause to be posted at each entrance to such structure a notice reading as follows: "This Structure Is Unsafe and Its Occupancy Has Been Prohibited by the Code Official." It shall be unlawful for any person to enter such structure except as directed by the Code Official for the purpose of securing the structure, making the required repairs, removing the hazardous condition or of demolishing the same.

IPMC [A] 109.3 Closing streets. When necessary for public safety, the *code official* shall be permitted to temporarily close structures and, as directed and authorized by the appointing authority or appropriate agency having jurisdiction, close, or order the authority having jurisdiction to close, sidewalks, streets, public ways and places adjacent to unsafe structures, and prohibit the same from being utilized.

IPMC [A] 109.5 Costs of emergency repairs. Costs incurred in the performance of emergency work ~~shall be paid by the jurisdiction~~ be the personal responsibility of the owner and responsible parties of the premises and constitute jointly and severally removal shall be charged against the real estate upon which the structure is located and shall be a lien upon such real estate. The legal counsel of the jurisdiction shall institute appropriate action against the *owner and responsible parties* of the *premises* where the unsafe structure is or was located for the recovery of such costs or through foreclosure of the lien or both.

IPMC SECTION 110 DEMOLITION

IPMC [A] 110.1 General. The *code official* shall order the *owner* of any *premises* upon which is located any structure, which in the *code official* judgment after review is so deteriorated or dilapidated or has become so out of repair as to be dangerous, unsafe, insanitary or otherwise unfit for human habitation or occupancy, ~~and such that it is unreasonable to repair the structure, to demolish and remove such structure; or if such structure is capable of being made safe by repairs, to repair and make safe and sanitary, or to board up and hold for future repair or to demolish and remove at the owner's option; or where there has been a cessation of normal construction of any structure for a period of more than two years~~ one year, the code official shall order any of the following remedies: the owner to shall demolish and remove such structure, or make the premises safe and sanitary or board up the structure until future repair. Boarding the building up for future repair shall not extend beyond one year, unless approved by the building official. If after one year the boarded structure has not been repaired or brought into compliance, the building official shall be permitted to order demolition.

IPMC [A] 110.2 Notices and orders. All notices and orders shall comply with Section 107. Failure to comply does not affect the code official's authority to act or relieve the owner or responsible party of their obligation to comply with this code, the code official's orders or to eliminate dangerous, unsafe, insanitary or conditions making a property unfit for human habitation or occupancy.

IPMC [A] 110.4 Salvage materials. When any structure has been ordered demolished and removed, the governing body or other designated officer under said contract or arrangement aforesaid shall have the right to identify and sell the salvage and valuable materials at the highest price obtainable in a commercially reasonable manner. The net proceeds of such sale, after deducting the expenses of such demolition and removal, shall be promptly remitted with a report of such sale or transaction, including the items of expense and the amounts deducted, for the person who is entitled thereto, subject to any order of a court. If such a surplus does not remain to be turned over, the report shall so state.

IPMC SECTION 111 MEANS OF APPEAL

IPMC [A] 111.2 Membership of board. The board of appeals shall consist of a minimum of three members who are qualified by experience and training to pass on matters pertaining to property maintenance and who are not employees of the jurisdiction. ~~The code official shall be an ex-officio member but shall have no vote on any matter before the board.~~ The board shall be appointed by the chief appointing authority, and shall serve staggered and overlapping terms.

IPMC [A] 111.5 Postponed hearing. When the full board is not present to hear an appeal, either ~~the appellant or the appellant's representative~~ party shall have the right to request a postponement of the hearing.

IPMC [A] 111.6 Board decision. ~~The board shall modify or reverse the decision of the code official only by a concurring vote of a majority of the total number of appointed board members. On appeal, the code official shall first produce evidence substantiating the decision, notice or order at issue. If the board determines the code official has met this burden, then the appealing party shall show why the decision, notice or order should be reverse or modified. On all issues, the appeal shall be denied unless a majority of the board votes to approve, reverse or modify. Orders to remove tenants or to demolish a building or structure shall be sustained by majority vote of those present and voting. The decision of the board shall be reduced to a writing containing facts supporting the board's decision to approve, reverse or modify the code official's decision and the board's reasoning.~~

IPMC [A] 111.7 Court review. ~~The code official and any person, whether or not a previous party of participating in~~ the appeal, shall have the right to apply to the appropriate court for a writ of certiorari to correct errors of law. Application for review shall be made in the manner and time required by law following the filing of the decision in the office of the chief administrative officer.

IPMC [A] 111.8 Stays of enforcement. Appeals of notice and orders (other than *Imminent Danger* notices—for example, stop work orders, and orders to vacate) shall stay the enforcement of the notice and order until the appeal is heard by the appeals board.

IPMC SECTION 112 STOP WORK ORDER

IPMC [A] 112.3 Written notice not required in emergencies. Where an emergency exists, the *code official* shall not be required to give a written notice prior to stopping the work.

IPMC [A] 112.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, ~~shall be liable to a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars constitute a violation of this code, punishable as a misdemeanor offense.~~

PART II – IRC

Revise the International Residential Code as follows:

IRC SECTION R202 DEFINITIONS

OWNER. Any person, agent, operator, entity, firm or corporation having a any legal or equitable interest in the property; or recorded in the official records of the state, county or municipality as holding an interest or title to the property; or otherwise having possession or control of the property, including the guardian of the estate of any such person, and the executor or administrator of the estate of such person if ordered to take possession of real property by a court.

Reason: The intent of this proposal is to avoid lengthy and expensive litigation, during the administrative process and if a decision is challenged in an appeal. The reason for changing the definition of "Owner" is both for consistency between codes and to hold those with ownership interests responsible for maintaining the property that they legally possess (e.g., mortgage), but fail to maintain. Deleting references to "condemn" is important because the legal connotation implies that a property will be taken through eminent domain proceedings and demolished, when, in fact, it is merely uninhabitable and capable of being boarded-up for safety until repairs can be made.

IMLA members would be honored to propose suggested revisions to the International Code Council's International Property Maintenance this year, in an effort to synergize our organizations' efforts. We are hopeful that your organization would consider some of these suggestions that originate from court cases around the country so that communities can benefit from the experience of others. Municipal attorneys across the country assist building officials in carrying out their duties and are often asked to interpret and opine on code provisions as they apply in their local jurisdictions.

Our attempt at making these suggestions was for a two-fold purpose: to assist in language that might help communities avoid unnecessary litigation and to begin to develop a good relationship between our organizations that are naturally aligned to improve our communities.

We hope these comments will lead to further discussion of what may be necessary to make the best model code possible and we look forward to working with you in the future!

The International Municipal Lawyers Association (IMLA) is a non-profit, professional organization that has been an advocate and resource for local government attorneys since 1935. IMLA services as an international clearinghouse of legal information and cooperation on municipal legal matters. IMLA collects from and disseminates information to its membership across the United States and Canada and helps governmental officials prepare for litigation and develop new local laws.

Every year, IMLA's legal staff provides accurate, up-to-date information and valuable counsel to hundreds of requests from members. IMLA also provides a variety of services, publications and programs to help members who are facing legal challenges. For the past 77 years, IMLA has held cutting edge national conferences, including a Code Enforcement Conference, bringing local government attorneys together to network and propose solutions to common problems. It champions the development of fair and realistic legal solutions and provides its members with information about, and solutions to, the profusion of legal issues facing its membership today.

Cost Impact:

ADM5-13

PART I – IBC; IFC; IPMC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

[A] 101.1-ADM (IBC)-BLAKE rev.doc

ADM6 – 13

PART I - IBC: [A] 101.3; ICCPC: [A] 101.2.2; IFC: [A] 101.3; IFCG: [A] 101.4; IMC: [A] 101.3; IPC: [A] 101.3; IPSDC: [A] 101.6; IPMC: [A] 101.2

PART II – IRC R101.3

THIS IS A 2 PART CODE CHANGE. PART 1 WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Carl F. Baldassarra, representing Rolf Jensen & Associates, Inc.
(cbaldassarra@rjagroup.com)

PART I – IBC; ICCPC; IFC; IFCG; IMC; IPC; IPSDC; IPMC

Revise the International Building Code as follows:

IBC [A] 101.3 Intent. The purpose of this code is to establish the minimum requirements to safeguard the public health, safety and general welfare through structural strength, *means of egress* facilities, stability, sanitation, adequate light and ventilation, energy conservation; to safeguard ~~and safety to~~ life and property from fire and other hazards attributed to the built environment; and, to safeguard ~~provide safety to~~ fire fighters and emergency responders during emergency operations.

Revise the International Code Council Performance Code as follows:

ICCPC [A] 101.2.2 Fire. Part III of this code establishes requirements necessary ~~to provide an acceptable level~~ to safeguard ~~of life safety and property protection~~ from the hazards of fire, explosion or dangerous conditions in all facilities, equipment and processes.

Revise the International Fire Code as follows:

IFC [A] 101.3 Intent. The purpose of this code is to establish the minimum requirements consistent with nationally recognized good practice for providing a reasonable level to safeguard ~~of life safety and property protection~~ from the hazards of fire, explosion or dangerous conditions in new and existing buildings, structures and premises, and to safeguard ~~provide safety to~~ fire fighters and emergency responders during emergency operations.

Revise the International Fuel Gas Code as follows:

IFGC [A] 101.4 Intent. The purpose of this code is to provide minimum standards to safeguard life ~~or limb~~, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of fuel gas systems.

Revise the International Mechanical Code as follows:

IMC [A] 101.3 Intent. The purpose of this code is to provide minimum standards to safeguard life ~~or limb~~, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of mechanical systems.

Revise the International Plumbing Code as follows:

IPC [A] 101.3 Intent. The purpose of this code is to provide minimum standards to safeguard life ~~or limb~~, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of plumbing equipment and systems.

Revise the International Private Sewage Disposal Code as follows:

IPSDC [A] 101.6 Intent. The purpose of this code is to provide minimum standards to safeguard life ~~or limb~~, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of *private sewage disposal systems*.

Revise the International Property Maintenance Code as follows:

IPMC [A] 101.2 Scope. The provisions of this code shall apply to all existing residential and nonresidential structures and all existing *premises* and constitute minimum requirements and standards for *premises*, structures, equipment and facilities for light, *ventilation*, space, heating, sanitation, protection from the elements, to safeguard life safety, ~~safety~~ from fire and other hazards, and for safe and sanitary maintenance; the responsibility of *owners, operators and occupants*; the *occupancy* of existing structures and *premises*, and for administration, enforcement and penalties.

PART II – IRC

Revise the International Residential Code as follows:

IRC R101.3 Intent. The purpose of this code is to establish minimum requirements to safeguard the public safety, health and general welfare through affordability, structural strength, means of egress facilities, stability, sanitation, light and ventilation, energy conservation and safety to life and property from fire and other hazards attributed to the built environment and to safeguard ~~provide safety to~~ fire fighters and emergency responders during emergency operations.

Reason: The intent of this change is to make a minor, but important, clarification of the intent of the code. The section covering the “intent” of the IBC is often used by attorneys and others outside of the code community as the basis for various legal actions. Therefore, it is important that this section reflects both the intention of the code community and the relative level of safety that is reasonably provided through these regulations.

The proposal includes changes that make the levels of intended “safety” the same to the reader by using the same term “safeguard” (used in the first phrase) in the other two phrases. While the language using the term “safeguard” is, perhaps, somewhat vague, it is better than suggesting absolute “safety” can be provided to any person or property through the provisions of the code. There is no intention to reduce the level of safety provided by the code with this change. All users and beneficiaries of the code will be better served through this clarification.

Cost Impact: This code change proposal will not affect the cost of construction.

Staff Analysis: The section on Intent are also found in IEBC 101.3, IWUIC 101.3, IZC 101.2, IECC C101.3, IECC R101.3 and IPSDC 101.3.

ADM6-13

PART I – IBC; ICCPC; IFC; IFCG; IMC; IPC; IPSDC; IPMC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

101.3-ADM (IBC)-BALDASSARRA

ADM7 – 13

R101.3

THIS WILL BE HEARD BY THE INTERNATIONAL RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Matt Archer, Douglas County, CO representing Colorado Chapter Code Change Committee (marcher@douglas.co.us)

Revise the International Residential Code as follows:

IRC R101.3 Intent. The purpose of this code is to establish minimum requirements to safeguard the public safety, health and general welfare through affordability, structural strength, means of egress facilities, stability, sanitation, light and ventilation, energy conservation and safety to life and property from fire and other hazards attributed to the built environment ~~and to provide safety to fire fighters and emergency responders during emergency operations.~~

Reason: This section identifies two distinct goals of the IBC, IFC and IRC: to protect the public and their property, and to provide safety for fire fighters and emergency responders. Code requirements should be developed and enforced for the protection of everyone, and firefighters and responders will benefit from the same protections intended to serve other occupants, even in the case of an emergency. The code should not be developed to provide for a special protected class of persons exposed to hazards only in the case of an emergency. It is understandable that emergency responders should not be exposed to additional hazards that are not also present for the occupants and visitors to a residence, but they are not. The safety of the occupants of a residence and protection of their property should be declared as the clear intent of this Code. To single out firefighters and emergency responders, a class of persons highly trained and very aware of the potential hazards of their professions, is not appropriately included as a primary intent of this code.

Cost Impact: None

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

R101.3-RB-ARCHER

ADM8 – 13

PART I - IBC: [A] 101.3 **ICCPC:** [A] 101.2.2; **IEBC:** [A] 101.3; **IFC:** [A] 101.3; **IFGC:** [A] 101.4; **IMC:** [A] 101.3; **IPC:** [A] 101.3; **IPSDC:** [A] 101.6; **IPMC:** [A] 101.2; **IWUIC:** [A] 101.3

PART II - IRC: R101.3;

PART III - ISPSC 101.3

Proponent: James Bela, Oregon Earthquake Awareness, representing Oregon Earthquake Awareness

PART I – IBC; IEBC; IFC; IFGC; IMC; IPC; IPSDC; IPMC; IWUIC

Revise the International Building Code as follows:

IBC [A] 101.3 Intent. The purpose of this code is to establish the ~~minimum~~ the lowest allowable requirements to safeguard the public health, safety and general welfare through: structural strength, *means of egress* facilities, stability, sanitation, adequate light and ventilation, energy conservation; and safety to life and property from fire, wind, earthquake, radon and other hazards attributed to the built environment; and also to provide safety to fire fighters and emergency responders during emergency operations.

Revise the International Code Council Performance Code as follows:

ICCPC [A] 101.2.2 Fire. Part III of this code establishes requirements necessary to provide an acceptable level of life safety and property protection from the hazards of fire, wind, earthquake, radon, explosion or dangerous conditions in all facilities, equipment and processes.

Revise the International Existing Building Code as follows:

IEBC [A] 101.3 Intent. The intent of this code is to provide flexibility to permit the use of alternative approaches to achieve compliance with ~~minimum~~ the lowest allowable requirements to safeguard the public health, safety and welfare insofar as they are affected by the *repair, alteration, change of occupancy, addition* and relocation of *existing buildings*.

Revise the International Fire Code as follows:

IFC [A] 101.3 Intent. The purpose of this code is to establish the ~~minimum~~ the lowest allowable requirements consistent with nationally recognized good practice for providing a reasonable level of life safety and property protection from the hazards of fire, explosion or dangerous conditions in new and existing buildings, structures and premises; and also to provide safety to fire fighters and emergency responders during emergency operations.

Revise the International Fuel Gas Code as follows:

IFGC [A] 101.4 Intent. The purpose of this code is to provide ~~minimum~~ the lowest allowable standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of fuel gas systems.

Revise the International Mechanical Code as follows:

IMC [A] 101.3 Intent. The purpose of this code is to provide ~~minimum~~ the lowest allowable standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of mechanical systems.

Revise the International Plumbing Code as follows:

IPC [A] 101.3 Intent. The purpose of this code is to provide ~~minimum~~ the lowest allowable standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of plumbing equipment and systems.

Revise the International Private Sewage Disposal Code as follows:

IPSDC [A] 101.6 Intent. The purpose of this code is to provide ~~minimum~~ the lowest allowable standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of *private sewage disposal systems*.

Revise the International Property Maintenance Code as follows:

IPMC [A] 101.2 Scope. The provisions of this code shall apply to all existing residential and nonresidential structures and all existing *premises* and constitute ~~minimum~~ the lowest allowable requirements and standards for *premises*, structures, equipment and facilities for light, *ventilation*, space, heating, sanitation, protection from the elements, life safety, safety from fire, wind, earthquake, radon and other hazards, and for safe and sanitary maintenance; the responsibility of *owners, operators* and *occupants*; the *occupancy* of existing structures and *premises*, and for administration, enforcement and penalties.

IPMC [A] 101.3 Intent. This code shall be construed to secure its expressed intent, which is to ensure public health, safety and welfare insofar as they are affected by the continued *occupancy* and maintenance of structures and *premises*. Existing structures and *premises* that do not comply with these provisions shall be altered or repaired to provide a ~~minimum~~ the lowest allowable level of health and safety as required herein.

Revise the International Wildland-Urban Interface Code as follows:

IWUIC [A] 101.3 Objective. The objective of this code is to establish ~~minimum~~ the lowest allowable regulations consistent with nationally recognized good practice for the safeguarding of life and property. Regulations in this code are intended to mitigate the risk to life and structures from intrusion of fire from wildland fire exposures and fire exposures from adjacent structures and to mitigate structure fires from spreading to wildland fuels. The extent of this regulation is intended to be tiered commensurate with the relative level of hazard present.

The unrestricted use of property in *wildland-urban interface areas* is a potential threat to life and property from fire and resulting erosion. Safeguards to prevent the occurrence of fires and to provide adequate fire-protection facilities to control the spread of fire in *wildland-urban interface areas* shall be in accordance with this code.

This code shall supplement the jurisdiction's building and fire codes, if such codes have been adopted, to provide for special regulations to mitigate the fire- and life-safety hazards of the *wildland-urban interface areas*.

PART II – IRC

Revise the International Residential Code as follows:

R101.3 Intent. The purpose of this code is to establish ~~minimum~~ the lowest allowable requirements to safeguard the public safety, health and general welfare through: ~~affordability~~, structural strength, means of egress facilities, stability, sanitation, light and ventilation, energy conservation; and safety to life and property fire, wind, earthquake, radon and other hazards attributed to the built environment; and also to provide safety to fire fighters and emergency responders during emergency operations

PART III – ISPSC

Revise the International Swimming Pool and Spa Code as follows:

ISPSC 101.3 Intent. The purpose of this code is to provide ~~minimum~~ the lowest allowable standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location and maintenance or use of *aquatic vessels*.

Reason:

- (a) “the lowest allowable” better reflects the reality that the code requirements are, in fact, too low for what the public expects and believes they are actually promised in a code compliant building. Unless the memory is jogged by this “up-front” language, both the public and code officials will presume (incorrectly) that the code delivers a top quality performer with exemplary safety and “end result.” Thus individuals and consumers of code compliant products may more directly and pro-actively *determine* the quality of performance that they both desire and also really have always expected (but incorrectly) was so.
- (b) “fire,” wind, earthquake, radon are the important circumstances with respect to property damage (insurance issues and claims) and both personal injury and life safety; and they therefore should be specifically called out in the text: equally important as “fire.”
- (c) ~~affordability~~ is deleted because it is too vague, non-specific, and not really applicable; since all other fixed factors in this residential code are *prescriptively* predicated on the lowest allowable requirements.

The term “affordable housing” has specific history, connotations and difficulties: see Wikipedia “Affordable Housing:” http://en.wikipedia.org/wiki/Affordable_housing

Location, land value, system development charges, as well as property tax structure also are important factors in determining affordability; which is often most simply represented as a certain percentage of homeowner income that can be apportioned off to housing. Thus “affordability” is not just the resultant of these residential (and mostly prescriptive) building code requirements – but the implication of this present “Intent” statement is that said “affordability” is determined, promised and guaranteed by these residential code requirements.

See also: IRC-14-3FIG. R301.2(2) SEISMIC DESIGN CATEGORIES SITE CLASS D.doc

Cost Impact: The code change proposal will not increase the cost of construction.

ADM8-13

PART I – IBC; ICCPC; IEBC; IFC; IFCG; IMC; IPC; IPSDC; IPMC; IWUIC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – ISPSC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

R101.3-RB-BELA

ADM9 – 13

IEBC: [A] 101.4, [A] 101.4.1(New)

Proponent: David S. Collins, FAIA, The Preview Group, Inc./The American Institute of Architects
(dcollins@preview-group.com)

Revise the International Existing Building Code as follows:

IEBC [A] 101.4 Applicability. This code shall establish minimum requirements for existing buildings and apply to the maintenance, repair, alteration, change of occupancy, addition and relocation of all existing buildings, regardless of occupancy, subject to the criteria of Sections 101.4.1 and 101.4.2 through 101.4.3.

IEBC [A] 101.4.1 Maintenance. Buildings and structures, and parts thereof, shall be maintained in a safe and sanitary condition. Devices or safeguards which are required by this code, the *International Building Code* and the *International Fire Code* shall be maintained in conformance with the code edition under which installed. The owner or the owner's designated agent shall be responsible for the maintenance of buildings and structures. To determine compliance with this subsection, the code official shall have the authority to require a building or structure to be reinspected. The requirements of this chapter shall not provide the basis for removal or abrogation of fire protection and safety systems and devices in existing structures.

(Renumber subsequent sections)

Reason: The language and scope of Chapter 34 included provisions for the maintenance of existing buildings:

3401.2 Maintenance.

Buildings and structures, and parts thereof, shall be maintained in a safe and sanitary condition. Devices or safeguards which are required by this code shall be maintained in conformance with the code edition under which installed. The owner or the owner's designated agent shall be responsible for the maintenance of buildings and structures. To determine compliance with this subsection, the building official shall have the authority to require a building or structure to be reinspected. The requirements of this chapter shall not provide the basis for removal or abrogation of fire protection and safety systems and devices in existing structures.

This change adds the same scope for maintenance to become part of the administrative provisions of the IEBC.

Cost Impact: The cost of providing ongoing maintenance of existing maintenance will reduce the cost to owners by preventing deterioration that cause higher costs of repairs.

ADM9-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

[A] 101.4-ADM (IEBC)-COLLINS

ADM10 – 13

IEBC: [A] 101.4.2 (New), [A] 101.4.2.1 (New), [A] 101.4.2.2 (New)

Proponent: David S. Collins, FAIA, The Preview Group, Inc./The American Institute of Architects
(dcollins@preview-group.com)

Revise the International Existing Building Code as follows:

IEBC [A] 101.4.2 Certificate of Occupancy Renewal. The owner of a building that exceeds 25,000 sf. in aggregate floor area, or has multiple tenants, or includes a place of assembly shall be responsible to file for a renewal of the certificate of occupancy no less than every five years after the original certificate of occupancy is issued. Such renewal shall document in a written statement from the owner that the safety features of the building remain in proper working order as installed when the most current permit was issued, and maintenance requirements of the applicable codes have been performed and that required testing has been performed.

IEBC [A] 101.4.2.1 Documentation. In addition to the written statement, the owner shall submit records of inspection and testing of installation equipment and systems where this code or referenced standards require periodic inspections and testing. Documents shall include evidence of all inspections and testing listed in the applicable codes; the *International Fire Code*, the *Wildland-Urban Interface Code*, the *ICC Performance Code*, and *International Plumbing Code*.

IEBC [A] 101.4.2.2 Verification. As part of the written documentation, an owner may authorize a registered design professional to maintain the records and to prepare and submit the documents and application for renewal.

Reason: One of the difficulties with achieving the levels of performance anticipated in buildings is the ongoing maintenance of a building and its systems. Chapter 34 of the IBC has for years included a maintenance provision. With the deletion of Chapter 34 from the IBC we have submitted, in a separate code change, those same criteria to be added to the IEBC. With this change, as part of the Existing Building Code there will be a means by which owners can document measures they have taken to meet the requirements of the codes such as periodic inspections and testing.

The five-year period was taken from similar provision now found in the IFC for inspection of fire escapes. While these features of existing buildings are important and must be maintained to provide the expected level of safety, there are no means for the code official to know if that test has been performed. Often facilities undertake various small projects that are not monitored and this will allow for documentation of any elements that may have been modified over a period of time to be documented.

It is the intent that the responsibility for doing all work associated with the renewal will be the burden of the owner and that the application will simply provide the code official with a record of the buildings history and document what is being done to assure that the safety features of the building are maintained.

Cost Impact: This should lower the long term cost of construction.

ADM10-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

101.4.2 (NEW)-ADM (IEBC)-COLLINS

ADM11 – 13

IBC: [A] 101.4.7 (New), 202 (New), Chapter 35

Proponent: Anthony C. Apfelbeck, CBO, CFPS, City of Altamonte Springs Building/Fire Safety Division, representing self (ACApfelbeck@Altamonte.org)

Add new text to the International Building Code as follows:

IBC [A] 101.4.7 Performance based. The provisions of the ICC Performance Code for Buildings and Facilities shall apply to all buildings constructed or maintained utilizing a performance-based design.

Add new text to the International Building Code as follows:

IBC SECTION 202 DEFINITIONS

PERFORMANCE-BASED DESIGN. An engineering approach to design elements of a building based on agreed upon performance goals and objectives, engineering analysis and quantitative assessment of alternatives against the design goals and objectives utilizing accepted engineering tools, methodologies and performance criteria.

Add standard to IBC Chapter 35 as follows:

ICCPC-15 International Code Council Performance Code for Buildings and Facilities....101.4.7

Reason: Specifically referenced in the IBC are the ICC Gas, Mechanical, Plumbing, Property Maintenance, Fire, and Energy Codes. However, currently lacking from the referenced standards in the IBC model provisions is guidance for the code official on how to deal with a performance based design approach. The ICC promulgates the International Code Council Performance Code for Buildings and Facilities which is intended to provide the designer and user with specific guidance in dealing with performance based designs. Since the ICC promulgates a complete set of codes to regulate the built environment, it makes sense that the ICCPC be included within the basic referenced provisions in section 101.4.

In order to provide clarity to the end user, the definition of Performance-Based Design has been extracted from the ICCPC and included section 202 of the IBC.

Cost Impact: This code change will not increase the cost of construction.

ADM11-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

101.4.7 (NEW) #1-ADM (IBC)-APFELBECK

ADM12 – 13

IBC: [A] 101.4.7 (New), 202 (New)

Proponent: Anthony C. Apfelbeck, CBO, CFPS, City of Altamonte Springs Building/Fire Safety Division, representing self (ACApfelbeck@Altamonte.org)

Add new text to the International Building Code as follows:

IBC [A] 101.4.7 Wildland-Urban Interface. The provisions of the International Wildland-Urban Interface Code shall apply to all matters governing the design and construction of buildings within wildland-urban interface areas.

Add new text to the International Building Code as follows:

IBC SECTION 202 GENERAL DEFINITIONS

WILDLAND-URBAN INTERFACE AREA. That geographical area where structures and other human development meets or intermingles with wildland or vegetative fuels.

Reason: Specifically referenced in the IBC are the ICC Gas, Mechanical, Plumbing, Property Maintenance, Fire, and Energy Codes. However, currently lacking from the referenced standards in the IBC model provisions is guidance for the code official on how to deal with wild-land urban interface areas. The ICC promulgates the International Wildland-Urban Interface Code which is intended to provide the designer and user with specific guidance in dealing with structures constructed in wildland-urban interface area. Since the ICC promulgates a complete set of codes to regulate the built environment, it makes sense that the IWUIC be include within the basic referenced provisions in section 101.4.

In order to provide clarity to the end user, the definition of Wildland-Urban Interface Area has been extracted from the IWUIC and included section 202 of the IBC.

Cost Impact: This code change will increase the cost of construction.

ADM12-13

Public Hearing: Committee:
Assembly:

AS
ASF

AM
AMF

D
DF

101.4.7 (NEW) #2-ADM (IBC)-APFELBECK

ADM13 – 13

IPMC: [A] 102.3

Proponent: David S. Collins, FAIA, The Preview Group, Inc., The American Institute of Architects
(dcollins@preview-group.com)

Revise the International Property Maintenance Code as follows:

IPMC [A] 102.3 Application of other codes. Repairs, additions or alterations to a structure, or changes of *occupancy*, shall be done in accordance with the procedures and provisions of the *International Building Code*, the International Existing Building Code, *International Energy Conservation Code*, *International Fire Code*, *International Fuel Gas Code*, *International Mechanical Code*, *International Residential Code*, *International Plumbing Code* and NFPA 70. Nothing in this code shall be construed to cancel, modify or set aside any provision of the *International Zoning Code*.

Reason : This is a correlative change. The membership deleted Chapter 34 from the IBC, and thus the reference to the IEBC as an alternative for compliance. The Property Maintenance Code should be permitted to use the IEBC for repairs and alterations.

Cost Impact: None

ADM13-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

102.3 (NEW)-ADM (IPMC)-COLLINS.doc

ADM14 – 13

IFC: [A] 102.3, [A] 102.3.1 (New), [A] 102.3.2 (New)

Proponent: Marc Sampson, Longmont Fire Department, CO, representing Fire Marshal's Association of Colorado

Revise the International Fire Code as follows:

IFC [A] 102.3 Change of use or occupancy. No change shall be made in the use or occupancy of any structure that would place the structure in a different division of the same group or occupancy or in a different group of occupancies, unless such structure is made to comply with the requirements of this code and the International Building Code.

IFC [A] 102.3.1 Less hazardous use. Subject to the approval of the fire code official, the use or occupancy of an existing structure shall be allowed to be changed and the structure is allowed to be occupied for purposes in other groups without conforming to all of the requirements of this code and the International Building Code for those groups, provided the new or proposed use is less hazardous, based on life and fire risk, than the existing use.

IFC [A] 102.3.2 Change in use or occupancy from the *International Residential Code*. For dwellings or townhouses constructed in compliance with the *International Residential Code*, no change shall be made in the use or occupancy of a building which would result in an occupancy regulated by this code unless such building is made to comply with the requirements of this code for the applicable occupancy classification.

REASON: Currently the code contains no provision on how to transition from an IRC structure to an IBC structure. The IBC and IFC are based on 'occupancy classifications' while the IRC is not.

These revisions are proposed to the IFC to clarify the application of the code when a building constructed under the IRC undergoes a change of use or occupancy which would now place the building under the regulation of the IFC. Since a dwelling constructed under the IRC is not constructed identically to a dwelling constructed under the IFC, it creates confusion as to how to make this transition.

The 2nd sentence of Section 102.3 is placed into a separate section creating Section 102.3.1. This section states the building official can allow a change of occupancy should not be hidden within the text, but in a standalone section.

Even though the text in IFC Section 102.3 does not show [B] in the margin, the current text is identical to the IBC and IEBC. Once the revisions are approved to the IBC, IEBC and IFC, all three codes will still contain the equivalent requirements and correlate.

Cost Impact: The code change will not increase the cost of construction.

ADM14-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

102.3.1 (NEW)-ADM (IFC)-SAMPSON

ADM15 – 13

IFC: 102.3.1 (New)

Proponent: Al Godwin, CBO, CPM, representing Aon Fire Protection Engineering Corporation.

Revise the International Fire Code as follows:

IFC [A] 102.3.1 Change of character. A change in occupancy, as defined in Section 202, with no change of occupancy classification, shall not be made to any structure that will subject the structure to any special provisions of the applicable *International Codes*, without approval of the *fire code official*. Compliance shall be only as necessary to meet the specific provisions and is not intended to require the entire building be brought into compliance.

Reason: This is a correlation with code change G231-12 which was approved as submitted last cycle. Currently, IFC Section 102.3 states:

“No change shall be made in the use or occupancy of any structure that would place the structure in a different division of the same group or occupancy or in a different group of occupancies, unless such structure is made to comply with the requirements of this code and the *International Building Code*.....”

But, what about change in occupancy that does not change division or group but does change the “level of activity” as specified in the definition of Change of Occupancy?

In the 2009/2010 code cycle, Code Change EB27-09/10 added “10. Ambulatory health care facilities” to IEBC Section 902.1 (now 1002.1) under the classification of “change of character. This section in the IEBC, along with The IEBC definition of Change of Use, in general verbiage, recognizes that there are changes of use that do not involve changing occupancy groups.

IEBC Section 1001.2 states:

“**1001.2 Change in occupancy with no change in occupancy classification.** A change in occupancy, as defined in Section 202, with no *change of occupancy* classification shall not be made to any structure that will subject the structure to any special provisions of the applicable *International Codes*, including the provisions of Sections 1002 through 1011, without the approval of the *code official*. A certificate of occupancy shall be issued where it has been determined that the requirements for the change in occupancy have been met.”

This proposal is to bring those provisions from IEBC Section 1001.2 over into the IFC.

As noted in the IEBC, it is possible to change a use without changing the occupancy classification. Some examples are as follows:

1. Group A-2 bar with an occupant load of 275 to a Group A-2 bar with an occupant load of 350. Increasing occupant loads is permitted under Section 1004.2.
2. Group B office to Group B Ambulatory Health Care
3. Group B office to Group B café
4. Group F-1 factory to a Group F-1 woodworking shop.
5. Group H-3 Oxidizing gases to Group H-3 Flammable solids
6. Group M retail to Group M retail of upholstered furniture
7. Group S-1 warehouse to Group S-1 tire warehouse over 20,000 cubic feet
8. Group S-1 warehouse to Group S-1 motor vehicle repair garage
9. Group R-2 apartment to Group R-2 Live/Work unit.

Each of these classifications has particular code provisions that would apply if the occupancy had been originally identified. Some items might be fire protection, alarms, fresh air, restroom facilities, accessibility, smoke barriers, etc. The IFC currently does not specifically address these changes since they do not change Groups or change Divisions within Groups.

When making a change of character, it is not necessary to totally re-evaluate the building. Only the new applicable provisions should be addressed.

For example:

Group A-2 bar with an occupant load of 275 to a Group A-2 bar with an occupant load of 350.

Items that might require review:

Means of egress – 1004.2, to the public way
Sprinklers – 903.2.1.2, only in this space
Alarms – 907.2.1, only in this space
Restrooms – Chapter 29

Fresh air – IMC
Accessibility – see Section 3411
If food – upgrade of interceptor provisions of the IPC

Items that might not require a new review:

Height and area
Exterior walls and openings

As this is a confusing issue, the code official will need to define what items of correction are appropriate. While the wording may be new, code officials have performed this service for years. This proposal just puts it in the code.

I thought about placing the provision in Chapter 11 for existing buildings but that would require moving Section 102.3 which is also existing buildings.

Costs: Since this provision is already being enforced in this manner, there should be no increase in costs of construction.

ADM15-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

102.3.1 (NEW)-F-GODWIN

ADM16 – 13

IFC: [A] 102.5

Proponent: Anthony C. Apfelbeck, CBO, CFPS, City of Altamonte Springs Building/Fire Safety Division, representing self. (ACApfelbeck@Altamonte.org); Steve Orłowski, representing National Association of Home Builders (NAHB) (sorłowski@nahb.org)

Revise the International Fire Code as follows:

IFC [A] 102.5 Application of residential code. Where structures are designed and constructed in accordance with the International Residential Code, the provisions of this code shall apply as follows:

1. Construction and design provisions: Provisions of this code pertaining to the exterior of the structure shall apply including, but not limited to, premises identification, fire apparatus access and water supplies. ~~Where interior or exterior systems or devices are installed, construction permits required by Section 105.7 of this code shall also apply.~~
2. Administrative and operational ~~and maintenance~~ provisions: All such provisions of this code shall apply.

Reason: The purpose of this code change is to address some of the controversy that has risen since the passage of a public comment on F3-07/08. The original purpose was to clear up the vagueness between the interaction between the IRC and the IFC and how they apply to one- and two- family dwellings and townhouses. The Fire Code Committee did not approve the original proposal which clearly stated that the IFC does not regulate the construction and design features of the structure built in accordance with the International Residential Code, but it does regulate the fire protections features leading up to the structure (such as premise identification, fire protection water supplies and fire apparatus access). A public comment was submitted and approved at the final action hearing which resulted in the current code text. Unfortunately, instead of clearing up where the scope of IFC ends and the scope of IRC begins, the current language has created more controversy over which code regulates the construction, design and maintenance of interior features in one- and two- family dwellings and townhouses.

One of the significant problems with the current language is found in the last sentence of the first application, regarding the construction permits required by section 105.7. All of the required construction permits that would apply to these types of structures, as indicated in this section, are already addressed within the scope of the International Residential Code. The concept of the IRC being a single source construction code is specifically stated within the commentary to R101.1 where it states that the intent of the IRC is to be a "stand-alone residential code that establishes minimum regulations for one- and two-family dwellings and townhouses." The IFC commentary to 102.5 further emphasizes this concept by stating "The IRC is designed and intended for use as a stand-alone code for the construction of detached one- and two-family dwellings and townhouses not more than three stories in height. As such, the construction of detached one- and two-family dwellings and townhouses *is regulated exclusively by the IRC and not subject to the provision of any other I-Codes*, other than to the extent specifically referenced. The intent of providing a stand-alone residential code is that there is no need for duplicative construction or permitting requirements within the I-Codes that would require a builder or homeowner to go out and get separate permits under the IRC and IFC for the same scope of work. Approval of this proposal will ensure the intent of the IRC scope, as a stand-alone construction document, is maintained while ensuring that the exterior fire protection features are still regulated under the scope of the IFC.

Another problem with the current language is the reference to all maintenance requirements of the IFC for IRC constructed structures. Prior to the approval of the public comment on F3-07/08, there was no specific language in the IFC that required maintenance for IRC structures in accordance with the IFC. Due to the language that was approved in F3-07/08 public comment, all of the maintenance provisions in the IFC should be being applied right now.

Looking over some of the maintenance requirements for fire alarm systems and carbon monoxide detectors it raises the questions, has the fire service been enforcing these provisions and if so how. In many states, once a one- and two family dwelling or townhouse receives its certificate of occupancy there is no more involvement with the building official. The IFC states that it is the fire official's responsibility to insure existing building meet the requirements of this code and that all buildings are maintained in accordance with its provisions? How many departments have requested entry to ensure that every existing one- and two- family dwelling is equipped with a carbon monoxide detector as required by the 2012 IFC? The current language of the IFC leaves the fire service open to liability if they are not enforcing the provisions of this code as it is written and adopted. Although some of the referenced standards in the IFC do not require maintenance on some of the system in a one-and two-family dwelling or townhouse, the inference is that maintenance is required since the term "maintenance" is utilized in 102.5 (2).

Cost Impact: The code change proposal will not increase the cost of construction.

ADM16-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

[A] 102.5-ADM (IFC)-APFELBECK-ORŁOWSKI

ADM17 – 13

IBC: [A] 102.6, [A] 102.6.1 (New), [A] 102.6.2 (New); IEBC: [A] 101.4.1 (New)

Proponent: David S. Collins, FAIA, The Preview Group, Inc./The American Institute of Architects
(dcollins@preview-group.com)

Revise the International Building Code as follows:

IBC [A] 102.6 Existing structures. The legal occupancy of any structure existing on the date of adoption of this code shall be permitted to continue without change, except as is specifically covered in this code, the International Existing Building Code, the International Property Maintenance Code or the International Fire Code, ~~or as is deemed necessary by the building official for the general safety and welfare of the occupants and the public.~~

IBC [A] 102.6.1 Buildings not previously occupied. A building or portion of a building that has not been previously occupied or used for its intended purpose in accordance with the laws in existence at the time of its completion shall comply with the provisions of the International Building Code or International Residential Code, as applicable, for new construction or with any current permit for such occupancy.

IBC [A] 102.6.2 Buildings previously occupied. The legal occupancy of any building existing on the date of adoption of this code shall be permitted to continue without change, except as is specifically covered in this code, the International Fire Code, or the International Property Maintenance Code, or as is deemed necessary by the building official for the general safety and welfare of the occupants and the public.

Revise the International Existing Building Code as follows:

IEBC [A] 101.4 Applicability. This code shall apply to the *repair, alteration, change of occupancy, addition* and relocation of all *existing buildings*, regardless of occupancy, subject to the criteria of Sections 101.4.1 and 101.4.2.

IEBC [A] 101.4.1 Buildings not previously occupied. A building or portion of a building that has not been previously occupied or used for its intended purpose in accordance with the laws in existence at the time of its completion shall be permitted to comply with the provisions of the laws in existence at the time of its original permit unless such permit has expired. All subsequent permits shall comply with the International Building Code or International Residential Code, as applicable, for new construction ~~or with any current permit for such occupancy.~~

IEBC [A] 101.4.2 Buildings previously occupied. The legal occupancy of any building existing on the date of adoption of this code shall be permitted to continue without change, except as is specifically covered in this code, the *International Fire Code*, or the *International Property Maintenance Code*, or as is deemed necessary by the *code official* for the general safety and welfare of the occupants and the public.

Reason : The IBC does not now have specific statements regarding the conditions of buildings that have not been or have been previously occupied. The IEBC does include specific requirements for how changes in the code are to be applied. These provisions have been added here to provide the same coverage. In addition, vague language from IBC 102.6 has been removed as likely unenforceable, and certainly would leave an owner/developer/designer in the dark. Finally, the priority for existing permits has been made superior to the current language that says if a new code is adopted it should apply unless there is a permit, which was clumsy and confusing.

Cost Impact: None

ADM17-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

102.6.1 (NEW)-ADM (IBC)-COLLINS

ADM18– 13

PART I - IBC: [A] 103.2; IEBC: [A] 103.2; IFC: [A] 103.2; IFGC: [A] 103.2; IMC: [A] 103.2; IPC: [A] 103.2; IPMC: [A] 103.2; IPSDC: [A] 103.2; IWUIC: [A] 103.2;
PART II - IRC: R103.2;
PART III - ISPSC 103.2.

THIS IS A 3 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART III WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

THIS CHANGE WILL BE HEARD BY THE FIRE CODE COMMITTEE AS ONE CODE CHANGE. SEE THE TENTATIVE HEARING ORDER FOR THIS COMMITTEE.

Proponent: Thomas Peterson, Box Elder County, representing the Utah Chapter of ICC
(tpeterson@boxeldercounty.org)

PART I – IBC; IEBC; IFC; IFGC; IMC; IPC; IPSDC; IPMC; IWUIC

Revise the International Building Code as follows:

IBC [A] 103.2 Appointment. The *building official* shall be appointed by ~~the chief appointing authority of~~ the jurisdiction.

Revise the International Existing Building Code as follows:

IEBC [A] 103.2 Appointment. The *code official* shall be appointed by ~~the chief appointing authority of the~~ jurisdiction.

Revise the International Fire Code as follows:

IFC [A] 103.2 Appointment. The *fire code official* shall be appointed by ~~the chief appointing authority of~~ the jurisdiction; and the *fire code official* shall not be removed from office except for cause and after full opportunity to be heard on specific and relevant charges by and before the appointing authority.

Revise the International Fuel Gas Code as follows:

IFGC [A] 103.2 Appointment. The code official shall be appointed by ~~the chief appointing authority of the~~ jurisdiction.

Revise the International Mechanical Code as follows:

IMC [A] 103.2 Appointment. The code official shall be appointed by ~~the chief appointing authority of the~~ jurisdiction.

Revise the International Plumbing Code as follows:

IPC [A] 103.2 Appointment. The code official shall be appointed by ~~the chief appointing authority of the~~ jurisdiction.

Revise the International Private Sewage Disposal Code as follows:

IPSDC [A] 103.2 Appointment. The code official shall be appointed by ~~the chief appointing authority of~~ the jurisdiction.

Revise the International Property Maintenance Code as follows:

IPMC [A] 103.2 Appointment. The *code official* shall be appointed by ~~the chief appointing authority of~~ the jurisdiction.

Revise the International Wildland-Urban Interface Code as follows:

IWUIC [A] 103.2 Appointment. The *code official* shall be appointed by ~~the chief appointing authority of~~ the jurisdiction.

PART II – IRC

Revise the International Residential Code as follows:

IRC R103.2 Appointment. The building official shall be appointed by ~~the chief appointing authority of~~ the jurisdiction.

PART III – ISPSC

Revise the International Swimming Pool and Spa Code as follows:

ISPSC 103.2 Appointment. The *code official* shall be appointed by ~~the chief appointing authority of~~ the jurisdiction.

Reason: The process in which a jurisdiction hires or by whom a Building/Code Official is appointed, should not be dictated by ICC and should be left up to the Jurisdiction in which he/she is being employed.

Cost Impact: No cost

ADM18-13

PART I – IBC; IEBC; IFC; IFCG; IMC; IPC; IPSDC; IPMC; IWUIC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – ISPSC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

R103.2-RB-PETERSON

ADM19 – 13

IBC: [A] 104.2.1 (New); IEBC: [A] 104.2.1(New)

Proponent: Gregory Wilson, representing Department of Homeland Security, Federal Emergency Management Agency (Gregory.wilson2@fema.dhs.gov); Rebecca Quinn, RCQuinn Consulting, Inc., representing Federal Emergency Management Agency (rcquinn@earthlink.net)

Revise the International Building Code and the International Existing Building Code as follows:

IBC [A] 104.2.1 (IEBC [A] 104.2.1) Determination of substantially improved or substantially damaged existing buildings and structures in flood hazard areas. For applications for reconstruction, rehabilitation, repair, alteration, addition or other improvement of existing buildings or structures located in flood hazard areas, the building official shall determine if the proposed work constitutes substantial improvement or repair of substantial damage. Applications determined to constitute substantial improvement or repair of substantial damage shall require all existing portions of the entire building or structure to meet the requirements of Section 1612 (of the International Building Code).

(Renumber subsequent sections in the IEBC)

Reason: This language is similar to R105.3.1.1, which has the building official making a finding with regard to the value of the proposed work and market value of the building. This change is also proposed for the International Existing Building Code. Application of the IBC Chapter 34 requirements for existing buildings in flood hazard areas depends on the definitions of the terms “substantial improvement” and “substantial damage.” The proposed new subsection under Section 104.2 describes what the building official does to determine whether work proposed for existing buildings meets those definitions. A number of code officials have suggested to FEMA that the simple presence of the definitions is insufficient to ensure that these determinations are made and it would be helpful if the building official's responsibilities clearly specified making these determinations.

FEMA published extensive guidance on substantial improvement and substantial damage, including a number of acceptable methods to estimate market value and project costs. Most jurisdictions require the applicant to provide an estimate of costs, which is already required by Section 105.3#5 to be included in the application.

Cost Impact: None. The proposal describes determining whether work meets definitions that are already in the IBC.

ADM19-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

104.2.1 (NEW) #1-ADM (IBC)-QUINN-WILSON

ADM20 – 13

IFC [A] 104.7.2

Proponent: Elley Klausbruckner, representing Klausbruckner & Associates Inc (ek@klausbruckner.com)

Revise the International Fire Code as follows:

IFC [A] 104.7.2 Technical assistance. To determine the acceptability of technologies, processes, products, facilities, materials and uses attending the design, operation or use of a building or premises subject to inspection by the *fire code official*, the *fire code official* is authorized to require the *owner* or agent to provide, without charge to the jurisdiction, a technical opinion and report. The opinion and report shall be prepared by a qualified engineer, specialist, laboratory or fire safety specialty organization acceptable to the *fire code official* and shall analyze the fire safety properties of the design, operation or use of the building or premises and the facilities and appurtenances situated thereon, to recommend necessary changes. The *fire code official* is authorized to require design submittals to be prepared by, and bear the stamp of, a registered design professional. The *fire code official* is authorized to require technical opinions and reports to be prepared by a registered design professional when the technical opinions and reports affect the building design or site construction, or safety systems.

Reason: Building construction and systems such as mechanical, etc. have to be designed by a design professional. The report addressing the requirements for some of these systems is the basis of their design. It is illogical to require the design to be prepared by a registered design professional but allow the report addressing the basis of the design be prepared by someone other than a registered design professional. Additionally if there are intentional acts of omission [or misleading information] in the report prepared by a registered design professional, the authority having jurisdiction can submit a complaint to the state board and the registered design professional can face disciplinary action [from fines, loss of reputation, etc. to having their license revoked]. There are no major repercussions to the preparer of these reports if they are not registered design professionals or if the Jurisdiction or state does not require educational or licensing requirements from the preparer. The added language will lend added support to the jurisdiction when a technical report is required if chosen to adopt this section as a local or state amendment.

NOTE: IFC Definition of Registered Design Professional - An individual who is registered or licensed to practice their respective design profession as defined by the statutory requirements of the professional registration laws of the state or jurisdiction in which the project is to be constructed.

Cost Impact: None

ADM20-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

[A] 104.7.2-ADM (IFC)-KLAUSBRUCKNER

ADM21 – 13

PART I - IBC 104.8; IEBC 104.8; IFC 103.4, 103.4.1; IFGC 103.4; IMC 103.4; IPC 103.4; IPSDC 103.4; IPMC 103.4; IWUIC 104.3; IZC 104.7;

PART II - IRC 104.8;

PART III - ISPSC 103.4

THIS IS A 3 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART III WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Mike Metheny, City of Aspen Colorado, representing Colorado Chapter Code Change Committee

PART I – IBC; IEBC; IFC; IFGC; IMC; IPC; IPSDC; IPMC; IWUIC; IZC

Revise the International Building Code as follows:

IBC [A] 104.8 Liability. The building official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be civilly or criminally rendered liable personally and is hereby relieved from personal liability for any damage accruing to persons or property as a result of any act or by reason of an act or omission in the discharge of official duties.

IBC [A] 104.8.1 Legal defense. Any suit or criminal complaint instituted against an officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by legal representative of the jurisdiction until the final termination of the proceedings. The building official or any subordinate shall not be liable for cost in any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

Revise the International Existing Building Code as follows:

IEBC [A] 104.8 Liability. The code official, member of the Board of Appeals, or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally and is hereby relieved from personal liability for any damage accruing to persons or property as a result of any act or by reason of an act or omission in the discharge of official duties.

IEBC [A] 104.8.1 Legal defense. Any suit or criminal complaint instituted against an officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by legal representative of the jurisdiction until the final termination of the proceedings. The code official or any subordinate shall not be liable for cost in any action, suit, or proceeding that is instituted in pursuance of the provisions of this code.

Revise the International Fire Code as follows:

IFC [A] 103.4 Liability. The fire code official, member of the board of appeals, officer or employee charged with the enforcement of this code, while acting for the jurisdiction, in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally, and is hereby relieved from all personal liability for any damage accruing to persons or property as a result of an act or by reason of an act or omission in the discharge of official duties.

IFC [A] 103.4.1 Legal defense. Any suit or criminal complaint instituted against any officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representative of the jurisdiction until the final termination of the proceedings. The fire code official or any subordinate shall not be liable for costs in an action, suit or proceeding that is instituted in pursuance of the provisions of this code; and any officer of the department of fire prevention, acting in good faith and without malice, shall be free from liability for acts performed under any of its provisions or by reason of any act or omission in the performance of official duties in connection therewith.

Revise the International Fuel Gas Code as follows:

IFCG [A] 103.4 Liability. The code official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally, and is hereby relieved from all personal liability for any damage accruing to persons or property as a result of an act or by reason of an act or omission in the discharge of official duties.

IFGC [A] 103.4.1 Legal defense. Any suit or criminal complaint instituted against any officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representative of the jurisdiction until the final termination of the proceedings. The code official or any subordinate shall not be liable for costs in an action, suit or proceeding that is instituted in pursuance of the provisions of this code.

Revise the International Mechanical Code as follows:

IMC [A] 103.4 Liability. The code official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally, and is hereby relieved from personal liability for any damage accruing to persons or property as a result of an act or by reason of an act or omission in the discharge of official duties.

IMC [A] 103.4.1 Legal defense. Any suit or criminal complaint instituted against any officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representative of the jurisdiction until the final termination of the proceedings. The code official or any subordinate shall not be liable for costs in an action, suit or proceeding that is instituted in pursuance of the provisions of this code.

Revise the International Plumbing Code as follows:

IPC [A] 103.4 Liability. The code official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally, and is hereby relieved from all personal liability for any damage accruing to persons or property as a result of any act or by reason of an act or omission in the discharge of official duties.

IPC [A] 103.4.1 Legal defense. Any suit or criminal complaint instituted against any officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representative of the jurisdiction until the final termination of the proceedings. The code official or any subordinate shall not be liable for costs in any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

Revise the International Private Sewage Disposal Code as follows:

IPSDC [A] 103.4 Liability. The code official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally, and is hereby relieved from all personal liability for any damage accruing to persons or property as a result of any act or by reason of an act or omission in the discharge of official duties.

IPSDC [A] 103.4.1 Legal defense. Any suit or criminal complaint instituted against any officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representative of the jurisdiction until the final termination of the proceedings. The code official or any subordinate shall not be liable for costs in any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

Revise the International Property Maintenance Code as follows:

IPMC [A] 103.4 Liability. The code official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction, in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally, and is hereby relieved from all personal liability for any damage accruing to persons or property as a result of an act or by reason of an act or omission in the discharge of official duties.

IPMC [A] 103.4.1 Legal defense. Any suit or criminal complaint instituted against any officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representative of the jurisdiction until the final termination of the proceedings. The code official or any subordinate shall not be liable for costs in an action, suit or proceeding that is instituted in pursuance of the provisions of this code.

Revise the International Wildland-Urban Interface Code as follows:

IWUIC [A] 104.3 Liability of the code official. The code official, member of the board of appeals or employee charged with the enforcement of this code, acting in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally personally liable for damages that may accrue to persons or property as a result of an act or by reason of an act or omission in the discharge of such duties.

IWUIC [A] 104.3.1 Legal defense. A suit or criminal complaint brought against the code official or employee because of such act or omission performed by the code official or employee in the enforcement of any provision of such codes or other pertinent laws or ordinances implemented through the enforcement of this code or enforced by the code enforcement agency shall be defended by this jurisdiction until final termination of such proceedings, and any judgment resulting there from shall be assumed by this jurisdiction. The code enforcement agency or its parent jurisdiction shall not be held as assuming any liability by reason of the inspections authorized by this code or any permits or certificates issued under this code.

Revise the International Zoning Code as follows:

IZC [A] 104.7 Liability. The code official, or designee, charged with the enforcement of this code, acting in good faith and without malice in the discharge of the duties described in this code, shall not be personally civilly or criminally liable for any damage that may accrue to persons or property as a result of an act or by reason of an act or omission in the discharge of such duties.

IFGC [A] 104.7.1 Legal defense. A suit or criminal complaint brought against the code official or employee because such act or omission performed by the code official or employee in the enforcement of

any provision of such codes or other pertinent laws or ordinances implemented through the enforcement of this code or enforced by the enforcement agency shall be defended by the jurisdiction until final termination of such proceedings, and any judgment resulting therefrom shall be assumed by the jurisdiction.

This code shall not be construed to relieve from or lessen the responsibility of any person owning, operating or controlling any building or parcel of land for any damages to persons or property caused by defects, nor shall the enforcement agency or its jurisdiction be held as assuming any such liability by reason of the reviews or permits issued under this code

PART II – IRC

Revise the International Residential Code as follows:

IRC R104.8 Liability. The building official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally and is hereby relieved from personal liability for any damage accruing to persons or property as a result of any act or by reason of an act or omission in the discharge of official duties.

IRC R104.8.1 Legal defense. Any suit or criminal complaint instituted against an officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by legal representative of the jurisdiction until the final termination of the proceedings. The building official or any subordinate shall not be liable for cost in any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

PART III – ISPSC

Revise the International Swimming Pool and Spa Code as follows:

ISPSC 103.4 Liability. The *code official*, member of the board of appeals or employee charged with the enforcement of this code, while acting for the *jurisdiction* in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally and is hereby relieved from personal liability for any damage accruing to persons or property as a result of any act or by reason of an act or omission in the discharge of official duties.

ISPSC 103.4.1 Legal defense. Any suit or criminal complaint instituted against an officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by legal representative of the jurisdiction until the final termination of the proceedings. The *code official* or any subordinate shall not be liable for cost in any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

Reason: An Inspector in Colorado was charged with criminally negligent homicide as well as in a civil case as a result of a carbon monoxide poisoning that occurred in 2008. The inspector found that he was not afforded sovereign immunity for criminal charges even though he was acting in good faith and without malice in the discharge of the duties required by the codes. The jurisdiction was forced to go to City Council to request supplemental funding for his defense. The cost to the jurisdiction in defending the case was in excess of \$260,000. The criminal case was eventually dismissed based on a motion that the statute of limitations had run. The criminal case was dismissed on its merits. As code officials we need to know that immunity extends to both criminal and civil actions while discharging our duties and providing for public safety and welfare.

The addition of the title to split the requirements in two parts is for consistency with the IFC.

Cost Impact: This code change proposal will not increase the cost of construction.

ADM21-13**PART I – IBC; IEBC; IFC; IFCG; IMC; IPC; IPSDC; IPMC; IWUIC; IZC**

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – ISPSC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

104.8-ADM (ALL CODES)-METHENY

ADM22 – 12

PART I – IBC: [A] 104.10, [A] 105.1, [A] 106.1, [A] 107.3.4, [A] 110.1, [A] 115.2, 202, 901.5, 1004.3, 1703.4.1, 1703.6, 1703.6.1, 1704.2, 1704.2.4, 1707.1, 1803.6, 3306.8, 3401.2, G104.1, J106.1, K102.3;

ICCPC: [A] 103.3.1, [A] 103.3.1.1, [A] 103.3.1.2, [A] 103.3.1.3, [A] 103.3.1.4, [A] 103.3.1.5, [A] 103.3.1.6, [A] 103.3.1.7, [A] 103.3.1.8, [A] 103.3.1.9, [A] 103.3.4.1.4, [A] 103.3.1.4.6, [A] 103.3.4.2.3, [A] 103.3.8.3, [A] 103.3.9.1.4, [A] 103.3.9.2.3, [A] 103.3.10.1;

IEBC: [A] 104.6, [A] 104.10, [A] 105.1, [A] 106.6, [A] 110.2, [A] 111.3, [A] 114.2, [A] 115.3, [A] 115.4, [A] 116.5, [A] 117.1, [A] 117.3;

IFC: [A] 104.3, [A] 104.3.1, [A] 104.7.2, [A] 105.1.1, [A] 109.2, [A] 109.3.1, [A] 109.3.2, [A] 110.4, [A] 111.2, [A] 112.1;

IFGC: [A] 102.3, [A] 104.4, [A] 105.1, [A] 106.1, [A] 106.3, [A] 108.5, [A] 108.7.2;

IMC: [A] 102.3, [A] 104.4, [A] 105.1, [A] 106.1, [A] 106.3, [A] 108.5, [A] 108.7.2;

IPC: [A] 102.3, [A] 104.4, [A] 105.1, [A] 106.1, [A] 106.3, [A] 108.5, [A] 108.7.2;

IPSDC: [A] 102.5, [A] 104.4, [A] 105.1, [A] 108.5, [A] 108.7.2;

IPMC: [A] 101.2, [A] 102.2, [A] 104.3, [A] 105.1, [A] 107.2, [A] 107.6, [A] 108.2, [A] 108.2.1, [A] 108.3, [A] 108.4, [A] 108.5, [A] 108.6, [A] 109.5, [A] 110.1, [A] 110.3, [A] 112.2;

IWUIC: [A] 101.6, [A] 105.1, [A] 105.2, [A] 109.2.2, [A] 109.3, [A] 109.4.1, [A] 109.4.5.2, [A] 109.4.5.2.1, [A] 109.4.5.3, [A] 109.4.5.4, [A] 113.2, [A] 114.2;

IZC: [A] 103.3, [A] 107.7.3, [A] 109.1

PART II – IECC: C108.2;

PART III – IECC: R108.2;

PART IV – IRC: R104.6, R105.1, R110.3, R111.3, R114.1;

PART V – ISPSC 102.3, 104.6, 104.8, 105.1, 105.2, 107.5, 107.7.2;

THIS IS A 5 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART V WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Philip Brazil, P.E., S.E., Reid Middleton, Inc., representing Washington Association of Building Officials, Technical Code Development Committee (pbrazil@reidmiddleton.com)

PART I – IBC; ICCPC; IEBC; IFC; IFGC; IMC; IPC; IPSDC; IPMC; IWUIC; IZC

Revise the International Building Code as follows:

IBC SECTION 202 DEFINITIONS

IBC [A] REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. *A registered design professional engaged by the owner or the owner's authorized agent to review and coordinate certain aspects of the project, as determined by the building official, for compatibility with the design of the building or structure, including submittal documents prepared by others, deferred submittal documents and phased submittal documents.*

Revise the International Building Code as follows:

IBC [A] 104.10 Modifications. Wherever there are practical difficulties involved in carrying out the provisions of this code, the *building official* shall have the authority to grant modifications for individual cases, upon application of the owner or the owner's representative authorized agent, provided the *building official* shall first find that special individual reason makes the strict letter of this code impractical and the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, accessibility, life and fire safety, or structural requirements. The details of action granting modifications shall be recorded and entered in the files of the department of building safety.

IBC [A] 105.1 Required. Any owner or owner's authorized agent who intends to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure, or to erect, install, enlarge, alter, repair, remove, convert or replace any electrical, gas, mechanical or plumbing system, the installation of which is regulated by this code, or to cause any such work to be done, shall first make application to the *building official* and obtain the required *permit*.

IBC [A] 106.1 Live loads posted. Where the live loads for which each floor or portion thereof of a commercial or industrial building is or has been designed to exceed 50 psf (2.40 kN/m²), such design live loads shall be conspicuously posted by the owner or the owner's authorized agent in that part of each story in which they apply, using durable signs. It shall be unlawful to remove or deface such notices.

IBC [A] 107.3.4 Design professional in responsible charge. When it is required that documents be prepared by a *registered design professional*, the *building official* shall be authorized to require the owner or the owner's authorized agent to engage and designate on the building *permit* application a *registered design professional* who shall act as the *registered design professional in responsible charge*. If the circumstances require, the owner or the owner's authorized agent shall designate a substitute registered design professional in responsible charge who shall perform the duties required of the original *registered design professional in responsible charge*. The building official shall be notified in writing by the owner or the owner's authorized agent if the *registered design professional in responsible charge* is changed or is unable to continue to perform the duties.

The *registered design professional in responsible charge* shall be responsible for reviewing and coordinating submittal documents prepared by others, including phased and deferred submittal items, for compatibility with the design of the building.

IBC [A] 110.1 General. Construction or work for which a permit is required shall be subject to inspection by the *building official* and such construction or work shall remain accessible and exposed for inspection purposes until *approved*. Approval as a result of an inspection shall not be construed to be an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction. Inspections presuming to give authority to violate or cancel the provisions of this code or of other ordinances of the jurisdiction shall not be valid. It shall be the duty of the ~~permit applicant~~ owner or the owner's authorized agent to cause the work to remain accessible and exposed for inspection purposes. Neither the *building official* nor the jurisdiction shall be liable for expense entailed in the removal or replacement of any material required to allow inspection.

IBC [A] 115.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property involved, ~~or to the owner's~~ authorized agent, or ~~to the person doing the work~~. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order, and the conditions under which the cited work will be permitted to resume.

Revise the International Building Code as follows:

IBC 901.5 Acceptance tests. Fire protection systems shall be tested in accordance with the requirements of this code and the *International Fire Code*. When required, the tests shall be conducted in the presence of the building official. Tests required by this code, the *International Fire Code* and the standards listed in this code shall be conducted at the expense of the owner or the owner's ~~representative~~

authorized agent. It shall be unlawful to occupy portions of a structure until the required fire protection systems within that portion of the structure have been tested and approved.

Revise the International Building Code as follows:

IBC 1004.3 (IFC [B] 1004.3) Posting of occupant load. Every room or space that is an assembly occupancy shall have the occupant load of the room or space posted in a conspicuous place, near the main exit or exit access doorway from the room or space. Posted signs shall be of an approved legible permanent design and shall be maintained by the owner or the owner's authorized agent.

Revise the International Building Code as follows:

IBC 1703.4.1 Research and investigation. Sufficient technical data shall be submitted to the *building official* to substantiate the proposed use of any material or assembly. If it is determined that the evidence submitted is satisfactory proof of performance for the use intended, the *building official* shall approve the use of the material or assembly subject to the requirements of this code. The costs, reports and investigations required under these provisions shall be paid by the ~~applicant~~ owner or the owner's authorized agent.

IBC 1703.6 Evaluation and follow-up inspection services. Where structural components or other items regulated by this code are not visible for *inspection* after completion of a prefabricated assembly, the ~~applicant~~ owner or the owner's authorized agent shall submit a report of each prefabricated assembly. The report shall indicate the complete details of the assembly, including a description of the assembly and its components, the basis upon which the assembly is being evaluated, test results and similar information and other data as necessary for the *building official* to determine conformance to this code. Such a report shall be *approved* by the *building official*.

IBC 1703.6.1 Follow-up inspection. The ~~applicant~~ owner or the owner's authorized agent shall provide for *special inspections* of fabricated items in accordance with Section 1704.2.5.

IBC 1704.2 Special Inspections. Where application is made for construction as described in this section, the owner or the *registered design professional in responsible charge* acting as the owner's authorized agent shall employ one or more *approved agencies* to perform inspections during construction on the types of work listed under Section 1705. These inspections are in addition to the inspections specified in Section 110.

Exceptions:

1. *Special inspections* are not required for construction of a minor nature or as warranted by conditions in the jurisdiction as *approved* by the *building official*.
2. Unless otherwise required by the *building official*, *special inspections* are not required for Group U occupancies that are accessory to a residential occupancy including, but not limited to, those listed in Section 312.1.
3. Special inspections are not required for portions of structures designed and constructed in accordance with the cold-formed steel light-frame construction provisions of Section 2211.7 or the conventional light-frame construction provisions of Section 2308.

IBC 1704.2.4 Report requirement. Special inspectors shall keep records of inspections. The special inspector shall furnish inspection reports to the *building official*, and to the *registered design professional in responsible charge*. Reports shall indicate that work inspected was or was not completed in conformance to *approved construction documents*. Discrepancies shall be brought to the immediate attention of the contractor for correction. If they are not corrected, the discrepancies shall be brought to the attention of the *building official* and to the *registered design professional in responsible charge* prior to the completion of that phase of the work. A final report documenting required *special inspections* and correction of any discrepancies noted in the inspections shall be submitted at a point in time agreed upon

prior to the start of work by the ~~applicant and~~ owner or the owner's authorized agent to the *building official*.

IBC 1707.1 General. In the absence of *approved* rules or other *approved* standards, the *building official* shall make, or cause to be made, the necessary tests and investigations; or the *building official* shall accept duly authenticated reports from *approved agencies* in respect to the quality and manner of use of new materials or assemblies as provided for in Section 104.11. The cost of all tests and other investigations required under the provisions of this code shall be borne by the ~~applicant~~ owner or the owner's authorized agent.

Revise the International Building Code as follows:

IBC 1803.6 Reporting. Where geotechnical investigations are required, a written report of the investigations shall be submitted to the *building official* by the owner or owner's authorized agent at the time of *permit* application. This geotechnical report shall include, but need not be limited to, the following information:

1. A plot showing the location of the soil investigations.
2. A complete record of the soil boring and penetration test logs and soil samples.
3. A record of the soil profile.
4. Elevation of the water table, if encountered.
5. Recommendations for foundation type and design criteria, including but not limited to: bearing capacity of natural or compacted soil; provisions to mitigate the effects of expansive soils; mitigation of the effects of liquefaction, differential settlement and varying soil strength; and the effects of adjacent loads.
6. Expected total and differential settlement.
7. Deep foundation information in accordance with Section 1803.5.5.
8. Special design and construction provisions for foundations of structures founded on expansive soils, as necessary.
9. Compacted fill material properties and testing in accordance with Section 1803.5.8.
10. Controlled low-strength material properties and testing in accordance with Section 1803.5.9.

Revise the International Building Code as follows:

IBC 3306.8 Repair, maintenance and removal. Pedestrian protection required by this chapter shall be maintained in place and kept in good order for the entire length of time pedestrians are subject to being endangered. The *owner* or the *owner's* authorized agent, upon the completion of the construction activity, shall immediately remove walkways, debris and other obstructions and leave such public property in as good a condition as it was before such work was commenced.

Revise the International Building Code as follows:

IBC 3401.2 Maintenance. Buildings and structures, and parts thereof, shall be maintained in a safe and sanitary condition. Devices or safeguards which are required by this code shall be maintained in conformance with the code edition under which installed. The owner or the owner's ~~designated~~ authorized agent shall be responsible for the maintenance of buildings and structures. To determine compliance with this subsection, the building official shall have the authority to require a building or structure to be reinspected. The requirements of this chapter shall not provide the basis for removal or abrogation of fire protection and safety systems and devices in existing structures.

Revise the International Building Code as follows:

IBC G104.1 Required. Any person, owner or owner's authorized agent who intends to conduct any development in a flood hazard area shall first make application to the *building official* and shall obtain the required *permit*.

Revise the International Building Code as follows:

IBC J106.1 Maximum slope. The slope of cut surfaces shall be no steeper than is safe for the intended use, and shall be no steeper than two units horizontal to one unit vertical (50-percent slope) unless the owner or the owner's authorized agent furnishes a geotechnical report justifying a steeper slope.

Exceptions:

1. A cut surface shall be permitted to be at a slope of 1.5 units horizontal to one unit vertical (67-percent slope) provided that all of the following are met:
 - 1.1. It is not intended to support structures or surcharges.
 - 1.2. It is adequately protected against erosion.
 - 1.3. It is no more than 8 feet (2438 mm) in height.
 - 1.4. It is approved by the building code official.
 - 1.5. Ground water is not encountered.
2. A cut surface in bedrock shall be permitted to be at a slope of one unit horizontal to one unit vertical (100-percent slope).

Revise the International Building Code as follows:

IBC K102.3 Maintenance. Electrical systems, equipment, materials and appurtenances, both existing and new, and parts thereof shall be maintained in proper operating condition in accordance with the original design and in a safe, hazard-free condition. Devices or safeguards that are required by this code shall be maintained in compliance with the code edition under which installed. The owner or the owner's ~~designated~~ authorized agent shall be responsible for the maintenance of the electrical systems and equipment. To determine compliance with this provision, the *building official* shall have the authority to require that the electrical systems and equipment be reinspected.

Revise the International Code Council Performance Code as follows:

ICCPC [A] 103.3.1 Building owner's or the owner's authorized agent responsibility.

ICCPC [A] 103.3.1.1 Design professional. The owner or the owner's authorized agent shall have the responsibility of retaining and furnishing the services of a design professional, who shall be in responsible charge of preparing and coordinating a complete and comprehensive set of design documents and other services required to prepare reports and other documents in accordance with this code. If the services required by this section are not provided, the use of this code is prohibited.

ICCPC [A] 103.3.1.2 Principal design professional. When the project requires the services of multiple design professionals, a principal design professional shall be retained and furnished, who shall have the contractual responsibility and authority over all required design professional disciplines to prepare and coordinate a complete and comprehensive set of design documents for the project.

ICCPC [A] 103.3.1.3 Peer review. The owner or the owner's authorized agent shall be responsible for retaining and furnishing the services of a design professional or recognized expert, who will perform as a peer reviewer, when required and approved by the code official. See Section 103.3.6.3 of this code.

ICCPC [A] 103.3.1.4 Costs. The costs of all special services, including contract review, when required by the code official, shall be borne by the owner or the owner's authorized agent.

ICCPC [A] 103.3.1.5 Document retention. The owner or the owner's authorized agent shall retain on the premises all documents and reports required by this code and make them available to the code official upon request.

ICCPC [A] 103.3.1.6 Maintenance. The owner or the owner's authorized agent is responsible to operate and maintain a building, structure or facility designed and built under this code in accordance with the bounding conditions and the operations and maintenance manual.

ICCPC [A] 103.3.1.7 Changes. The owner or the owner's authorized agent shall be responsible to ensure that any change to the facility, process or system does not increase the hazard level beyond that originally designed without approval and that all changes shall be documented in accordance with this code.

ICCPC [A] 103.3.1.8 Special expert. Where the scope of work is limited or focused in an area that does not require the services of a design professional or the special knowledge and skills associated with the practice of architecture or engineering, a special expert may be employed by the owner or the owner's authorized agent as the person in responsible charge of the limited or focused activity. It is the intent of this code that the individual shall possess the qualification characteristics required in Appendix D.

ICCPC [A] 103.3.1.9 Occupant requirements. The owner or the owner's authorized agent is responsible and accountable to ensure that all occupants and employees who are required to take certain actions or perform certain functions in accordance with a performance-based design possess the required knowledge and skills and are empowered to perform those actions.

ICCPC [A] 103.3.4.1.4 Deed restriction. Design features with bounding conditions that require continued maintenance or supervision by the owner or the owner's authorized agent throughout the life of the building, facility or process as conditions of compliance with the objectives of this code, shall be recorded as a deed restriction until released by the code official. When required by the code official, the deed restriction shall be modified to reflect specific changes.

ICCPC [A] 103.3.4.1.6 Emergency response capabilities. Design documentation shall clearly describe the level of response expected by emergency responders under the direct control of the owner or the owner's authorized agent. Emergency response capabilities, staffing levels, training requirements and equipment availability shall be documented as a bounding condition.

ICCPC [A] 103.3.4.2.3 Operations and maintenance manual. The operations and maintenance manual shall identify system and component commissioning requirements and the required interactions between these systems. The manual shall identify for the facility owner or the owner's authorized agent and the facility operator those actions that need to be performed on a regular basis to ensure that the components of the performance-based design are in place and operating properly. Furthermore, the operations and maintenance manual shall identify the restrictions or limitations placed upon the use and operation of the facility in order to stay within the bounding conditions of the performance-based design. The operations and maintenance manual shall be submitted at the time of the design documents submittal, unless the code official approves another time based upon the type of project and data needed for a composite review. The operations and maintenance manual shall address but not be limited to the following:

1. Description of critical systems.
2. Description of required system interactions.
3. Occupant responsibilities.
4. Occupant and staff training requirements.
5. Periodic operational requirements.
6. Periodic maintenance requirements.
7. Periodic testing requirements.
8. Limitations on facility operations (due to bounding conditions).
9. Report format for recording maintenance and operation data.
10. System and component commissioning requirements.

ICCPC [A] 103.3.8.3 Deed restrictions. Design features with bounding conditions determined by the design professional to require continued operation and maintenance by the owner or the owner's authorized agent throughout the life of the building as conditions of compliance with the objectives of this

code shall be recorded as a deed restriction as required by the code official until released by the code official.

ICCPC [A] 103.3.9.1.4 Revocation and renewal. Failure of the building owner or the owner's authorized agent to demonstrate to the code official that the building is being operated and maintained in compliance with Sections 103.3.1.6 and 103.3.9.1 is cause to revoke or not renew a certificate of occupancy.

ICCPC [A] 103.3.9.2.3 Revocation and renewal. Failure of the owner or the owner's authorized agent to demonstrate compliance with this section is cause to revoke or not renew the certificate of compliance.

ICCPC [A] 103.3.10 Maintenance.

ICCPC [A] 103.3.10.1 Owner's or the owner's authorized agent responsibility. The owner or the owner's authorized agent is responsible for maintaining the building or facility in accordance with the approved documents.

Revise the International Existing Building Code as follows:

IEBC [A] 104.6 Right of entry. Where it is necessary to make an inspection to enforce the provisions of this code, or where the *code official* has reasonable cause to believe that there exists in a structure or upon a premises a condition which is contrary to or in violation of this code which makes the structure or premises unsafe, *dangerous*, or hazardous, the *code official* is authorized to enter the structure or premises at reasonable times to inspect or to perform the duties imposed by this code, provided that if such structure or premises be occupied that credentials be presented to the occupant and entry requested. If such structure or premises be unoccupied, the *code official* shall first make a reasonable effort to locate the owner, the owner's authorized agent or other person having charge or control of the structure or premises and request entry. If entry is refused, the *code official* shall have recourse to the remedies provided by law to secure entry.

IEBC [A] 104.10 Modifications. Wherever there are practical difficulties involved in carrying out the provisions of this code, the *code official* shall have the authority to grant modifications for individual cases upon application of the owner or owner's authorized representative, provided the *code official* shall first find that special individual reason makes the strict letter of this code impractical and the modification is in compliance with the intent and purpose of this code, and that such modification does not lessen health, accessibility, life and fire safety, or structural requirements. The details of action granting modifications shall be recorded and entered in the files of the Department of Building Safety.

IEBC [A] 105.1 Required. Any owner or owner's authorized agent who intends to *repair*, add to, alter, relocate, demolish, or change the occupancy of a building or to *repair*, install, add, alter, remove, convert, or replace any electrical, gas, mechanical, or plumbing system, the installation of which is regulated by this code, or to cause any such work to be done, shall first make application to the *code official* and obtain the required permit.

IEBC [A] 106.6 Design professional in responsible charge. When it is required that documents be prepared by a registered design professional, the *code official* shall be authorized to require the owner or the owner's authorized agent to engage and designate on the building permit application a registered design professional who shall act as the *registered design professional in responsible charge*. If the circumstances require, the owner or the owner's authorized agent shall designate a substitute *registered design professional in responsible charge* who shall perform the duties required of the original *registered design professional in responsible charge*. The *code official* shall be notified in writing by the owner or the owner's authorized agent if the *registered design professional in responsible charge* is changed or is unable to continue to perform the duties. The *registered design professional in responsible charge* shall be responsible for reviewing and coordinating submittal documents prepared by others, including phased and deferred submittal items, for compatibility with the design of the building. Where structural observation is required, the inspection program shall name the individual or firms who are to perform structural observation and describe the stages of construction at which structural observation is to occur.

IEBC [A] 110.2 Certificate issued. After the *code official* inspects the building and finds no violations of the provisions of this code or other laws that are enforced by the Department of Building Safety, the *code official* shall issue a certificate of occupancy that shall contain the following:.

1. The building permit number.
2. The address of the structure.
3. The name and address of the owner or the owner's authorized agent.
4. A description of that portion of the structure for which the certificate is issued.
5. A statement that the described portion of the structure has been inspected for compliance with the requirements of this code for the occupancy and division of occupancy and the use for which the proposed occupancy is classified.
6. The name of the *code official*.
7. The edition of the code under which the permit was issued.
8. The use and occupancy in accordance with the provisions of the *International Building Code*.
9. The type of construction as defined in the *International Building Code*.
10. The design occupant load and any impact the *alteration* has on the design occupant load of the area not within the scope of the work.
11. If fire protection systems are provided, whether the fire protection systems are required.
12. Any special stipulations and conditions of the building permit.

IEBC [A] 111.3 Authority to disconnect service utilities. The *code official* shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the referenced codes and standards in case of emergency where necessary to eliminate an immediate hazard to life or property or when such utility connection has been made without the approval required by Section 111.1 or 111.2. The *code official* shall notify the serving utility and, wherever possible, the owner or the owner's authorized agent and occupant of the building, structure or service system of the decision to disconnect prior to taking such action. If not notified prior to disconnecting, the owner or occupant of the building, structure or service system shall be notified in writing, as soon as practical thereafter.

IEBC [A] 114.2 Issuance. The stop work order shall be in writing and shall be given to the owner or the owner's authorized agent of the property involved ~~or to the owner's agent~~, or to the person doing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order and the conditions under which the cited work will be permitted to resume.

IEBC [A] 115.3 Notice. If an *unsafe* condition is found, the *code official* shall serve on the owner, the owner's authorized agent, or person in control of the structure a written notice that describes the condition deemed *unsafe* and specifies the required *repairs* or improvements to be made to abate the *unsafe* condition, or that requires the *unsafe* building to be demolished within a stipulated time. Such notice shall require the person thus notified to declare immediately to the *code official* acceptance or rejection of the terms of the order.

IEBC [A] 115.4 Method of service. Such notice shall be deemed properly served if a copy thereof is delivered to the owner or the owner's authorized agent personally; sent by certified or registered mail addressed to the owner or the owner's authorized agent at the last known address with the return receipt requested; or delivered in any other manner as prescribed by local law. If the certified or registered letter is returned showing that the letter was not delivered, a copy thereof shall be posted in a conspicuous place in or about the structure affected by such notice. Service of such notice in the foregoing manner upon the owner's authorized agent or upon the person responsible for the structure shall constitute service of notice upon the owner.

IEBC [A] 116.5 Costs of emergency repairs. Costs incurred in the performance of emergency work shall be paid by the jurisdiction. The legal counsel of the jurisdiction shall institute appropriate action against the owner of the premises or the owner's authorized agent where the unsafe structure is or was located for the recovery of such costs.

IEBC [A] 117.1 General. The *code official* shall order the owner of any premises or the owner's authorized agent upon which is located any structure that in the *code official's* judgment is so old, dilapidated, or has become so out of *repair* as to be *dangerous*, unsafe, insanitary, or otherwise unfit for human habitation or occupancy, and such that it is unreasonable to *repair* the structure, to demolish and remove such structure; or if such structure is capable of being made safe by *repairs*, to *repair* and make safe and sanitary or to demolish and remove at the owner's or the owner's authorized agent's option; or where there has been a cessation of normal construction of any structure for a period of more than two years, to demolish and remove such structure.

IEBC [A] 117.3 Failure to comply. If the owner or the owner's authorized agent of a premises fails to comply with a demolition order within the time prescribed, the *code official* shall cause the structure to be demolished and removed, either through an available public agency or by contract or arrangement with private persons, and the cost of such demolition and removal shall be charged against the real estate upon which the structure is located and shall be a lien upon such real estate.

Revise the International Fire Code as follows:

IFC [A] 104.3 Right of entry. Whenever it is necessary to make an inspection to enforce the provisions of this code, or whenever the *fire code official* has reasonable cause to believe that there exists in a building or upon any premises any conditions or violations of this code which make the building or premises unsafe, dangerous or hazardous, the *fire code official* shall have the authority to enter the building or premises at all reasonable times to inspect or to perform the duties imposed upon the *fire code official* by this code. If such building or premises is occupied, the *fire code official* shall present credentials to the occupant and request entry. If such building or premises is unoccupied, the *fire code official* shall first make a reasonable effort to locate the owner, the owner's authorized agent or other person having charge or control of the building or premises and request entry. If entry is refused, the *fire code official* has recourse to every remedy provided by law to secure entry.

IFC [A] 104.3.1 Warrant. When the *fire code official* has first obtained a proper inspection warrant or other remedy provided by law to secure entry, an owner, the owner's authorized agent or occupant or person having charge, care or control of the building or premises shall not fail or neglect, after proper request is made as herein provided, to permit entry therein by the *fire code official* for the purpose of inspection and examination pursuant to this code.

IFC [A] 104.7.2 Technical assistance. To determine the acceptability of technologies, processes, products, facilities, materials and uses attending the design, operation or use of a building or premises subject to inspection by the *fire code official*, the *fire code official* is authorized to require the owner or owner's authorized agent to provide, without charge to the jurisdiction, a technical opinion and report. The opinion and report shall be prepared by a qualified engineer, specialist, laboratory or fire safety specialty organization acceptable to the *fire code official* and shall analyze the fire safety properties of the design, operation or use of the building or premises and the facilities and appurtenances situated thereon, to recommend necessary changes. The *fire code official* is authorized to require design submittals to be prepared by, and bear the stamp of, a registered design professional.

IFC [A] 105.1.1 Permits required. Any property owner or owner's authorized agent who intends to conduct an operation or business, or install or modify systems and equipment which is regulated by this code, or to cause any such work to be done, shall first make application to the *fire code official* and obtain the required permit.

IFC [A] 109.2 Owner/occupant responsibility. Correction and abatement of violations of this code shall be the responsibility of the owner or the owner's authorized agent. If an occupant creates, or allows to be created, hazardous conditions in violation of this code, the occupant shall be held responsible for the abatement of such hazardous conditions.

IFC [A] 109.3.1 Service. A notice of violation issued pursuant to this code shall be served upon the *owner*, the owner's authorized agent, operator, occupant or other person responsible for the condition or violation, either by personal service, mail or by delivering the same to, and leaving it with, some person of responsibility upon the premises. For unattended or abandoned locations, a copy of such notice of violation shall be posted on the premises in a conspicuous place at or near the entrance to such premises and the notice of violation shall be mailed by certified mail with return receipt requested or a certificate of mailing, to the last known address of the *owner*, the owner's authorized agent, or occupant ~~or both~~.

IFC [A] 109.3.2 Compliance with orders and notices. A notice of violation issued or served as provided by this code shall be complied with by the *owner*, the owner's authorized agent, operator, occupant or other person responsible for the condition or violation to which the notice of violation pertains.

IFC [A] 110.4 Abatement. The *owner*, the owner's authorized agent, operator or occupant of a building or premises deemed unsafe by the *fire code official* shall abate or cause to be abated or corrected such unsafe conditions either by repair, rehabilitation, demolition or other *approved* corrective action.

IFC [A] 111.2 Issuance. A stop work order shall be in writing and shall be given to the *owner* of the property, or to the *owner's authorized agent*, or to the person doing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order, and the conditions under which the cited work is authorized to resume.

IFC [A] 112.1 Authority to disconnect service utilities. The *fire code official* shall have the authority to authorize disconnection of utility service to the building, structure or system in order to safely execute emergency operations or to eliminate an immediate hazard. The *fire code official* shall notify the serving utility and, whenever possible, the *owner* or the owner's authorized agent and occupant of the building, structure or service system of the decision to disconnect prior to taking such action if not notified prior to disconnection. The *owner*, the owner's authorized agent or occupant of the building, structure or service system shall be notified in writing as soon as practical thereafter.

Revise the International Fuel Gas Code as follows:

IFGC [A] 102.3 Maintenance. Installations, both existing and new, and parts thereof shall be maintained in proper operating condition in accordance with the original design and in a safe condition. Devices or safeguards which are required by this code shall be maintained in compliance with the code edition under which they were installed. The owner or the owner's authorized ~~designated~~ agent shall be responsible for maintenance of installations. To determine compliance with this provision, the code official shall have the authority to require an installation to be reinspected.

IFGC [A] 104.4 Right of entry. Whenever it is necessary to make an inspection to enforce the provisions of this code, or whenever the code official has reasonable cause to believe that there exists in a building or upon any premises any conditions or violations of this code that make the building or premises unsafe, dangerous or hazardous, the code official shall have the authority to enter the building or premises at all reasonable times to inspect or to perform the duties imposed upon the code official by this code. If such building or premises is occupied, the code official shall present credentials to the occupant and request entry. If such building or premises is unoccupied, the code official shall first make a reasonable effort to locate the owner, the owner's authorized agent or other person having charge or control of the building or premises and request entry. If entry is refused, the code official has recourse to every remedy provided by law to secure entry.

When the code official has first obtained a proper inspection warrant or other remedy provided by law to secure entry, an owner, the owner's authorized agent, ~~or~~ occupant or person having charge, care or control of the building or premises shall not fail or neglect, after proper request is made as herein provided, to promptly permit entry therein by the code official for the purpose of inspection and examination pursuant to this code.

IFGC [A] 105.1 Modifications. Whenever there are practical difficulties involved in carrying out the provisions of this code, the code official shall have the authority to grant modifications for individual

cases, upon application of the owner or owner's authorized agent representative, provided that the code official shall first find that special individual reason makes the strict letter of this code impractical and that such modification is in compliance with the intent and purpose of this code and does not lessen health, life and fire safety requirements. The details of action granting modifications shall be recorded and entered in the files of the Department of Inspection.

IFGC [A] 106.1 Where required. An owner, owner's authorized agent or contractor who desires to erect, install, enlarge, alter, repair, remove, convert or replace an installation regulated by this code, or to cause such work to be done, shall first make application to the code official and obtain the required permit for the work.

Exception: Where *appliance* and *equipment* replacements and repairs are required to be performed in an emergency situation, the permit application shall be submitted within the next working business day of the Department of Inspection.

IFGC [A] 106.3 Application for permit. Each application for a permit, with the required fee, shall be filed with the code official on a form furnished for that purpose and shall contain a general description of the proposed work and its location. The application shall be signed by the owner or an owner's authorized agent. The permit application shall indicate the proposed *occupancy* of all parts of the building and of that portion of the site or lot, if any, not covered by the building or structure and shall contain such other information required by the code official.

IFGC [A] 108.5 Stop work orders. Upon notice from the code official that work is being done contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, the owner's authorized agent, or the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars.

IFGC [A] 108.7.2 Authority to disconnect service utilities. The code official shall have the authority to require disconnection of utility service to the building, structure or system regulated by the technical codes in case of emergency where necessary to eliminate an immediate hazard to life or property. The code official shall notify the serving utility, and wherever possible, the owner or the owner's authorized agent and occupant of the building, structure or service system of the decision to disconnect prior to taking such action. If not notified prior to disconnection, the owner or occupant of the building, structure or service system shall be notified in writing, as soon as practicable thereafter.

Revise the International Mechanical Code as follows:

IMC [A] 102.3 Maintenance. Mechanical systems, both existing and new, and parts thereof shall be maintained in proper operating condition in accordance with the original design and in a safe and sanitary condition. Devices or safeguards which are required by this code shall be maintained in compliance with the code edition under which they were installed. The owner or the owner's authorized designated agent shall be responsible for maintenance of mechanical systems. To determine compliance with this provision, the code official shall have the authority to require a mechanical system to be reinspected.

The inspection for maintenance of HVAC systems shall be done in accordance with ASHRAE/ACCA/ANSI Standard 180.

IMC [A] 104.4 Right of entry. Whenever it is necessary to make an inspection to enforce the provisions of this code, or whenever the code official has reasonable cause to believe that there exists in a building or upon any premises any conditions or violations of this code which make the building or premises unsafe, insanitary, dangerous or hazardous, the code official shall have the authority to enter the building or premises at all reasonable times to inspect or to perform the duties imposed upon the code official by this code. If such building or premises is occupied, the code official shall present credentials to the occupant and request entry. If such building or premises is unoccupied, the code official shall first make a

reasonable effort to locate the owner, the owner's authorized agent or other person having charge or control of the building or premises and request entry. If entry is refused, the code official has recourse to every remedy provided by law to secure entry.

When the code official has first obtained a proper inspection warrant or other remedy provided by law to secure entry, an owner, the owner's authorized agent or occupant or person having charge, care or control of the building or premises shall not fail or neglect, after proper request is made as herein provided, to promptly permit entry therein by the code official for the purpose of inspection and examination pursuant to this code.

IMC [A] 105.1 Modifications. Whenever there are practical difficulties involved in carrying out the provisions of this code, the code official shall have the authority to grant modifications for individual cases upon application of the owner or owner's authorized agent representative, provided that the code official shall first find that special individual reason makes the strict letter of this code impractical and the modification is in compliance with the intent and purpose of this code and does not lessen health, life and fire safety requirements. The details of action granting modifications shall be recorded and entered in the files of the mechanical inspection department.

IMC [A] 106.1 When required. An owner, owner's authorized agent or contractor who desires to erect, install, enlarge, alter, repair, remove, convert or replace a mechanical system, the installation of which is regulated by this code, or to cause such work to be done, shall first make application to the code official and obtain the required permit for the work.

Exception: Where *equipment* and *appliance* replacements or repairs must be performed in an emergency situation, the permit application shall be submitted within the next working business day of the department of mechanical inspection.

IMC [A] 106.3 Application for permit. Each application for a permit, with the required fee, shall be filed with the code official on a form furnished for that purpose and shall contain a general description of the proposed work and its location. The application shall be signed by the owner or ~~an~~ the owner's authorized agent. The permit application shall indicate the proposed *occupancy* of all parts of the building and of that portion of the site or lot, if any, not covered by the building or structure and shall contain such other information required by the code official.

IMC [A] 108.5 Stop work orders. Upon notice from the code official that mechanical work is being done contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's authorized agent, or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars.

IMC [A] 108.7.2 Authority to order disconnection of energy sources. The code official shall have the authority to order disconnection of energy sources supplied to a building, structure or mechanical system regulated by this code, when it is determined that the mechanical system or any portion thereof has become hazardous or unsafe. Written notice of such order to disconnect service and the causes therefor shall be given within 24 hours to the owner, the owner's authorized agent and occupant of such building, structure or premises, provided, however, that in cases of immediate danger to life or property, such disconnection shall be made immediately without such notice. Where energy sources are provided by a public utility, the code official shall immediately notify the serving utility in writing of the issuance of such order to disconnect.

Revise the International Plumbing Code as follows:

IPC [A] 102.3 Maintenance. All plumbing systems, materials and appurtenances, both existing and new, and all parts thereof, shall be maintained in proper operating condition in accordance with the original design in a safe and sanitary condition. All devices or safeguards required by this code shall be maintained in compliance with the code edition under which they were installed.

The owner or the owner's authorized ~~designated~~ agent shall be responsible for maintenance of plumbing systems. To determine compliance with this provision, the code official shall have the authority to require any plumbing system to be reinspected.

IPC [A] 104.4 Right of entry. Whenever it is necessary to make an inspection to enforce the provisions of this code, or whenever the code official has reasonable cause to believe that there exists in any building or upon any premises any conditions or violations of this code that make the building or premises unsafe, insanitary, dangerous or hazardous, the code official shall have the authority to enter the building or premises at all reasonable times to inspect or to perform the duties imposed upon the code official by this code. If such building or premises is occupied, the code official shall present credentials to the occupant and request entry. If such building or premises is unoccupied, the code official shall first make a reasonable effort to locate the owner, the owner's authorized agent or other person having charge or control of the building or premises and request entry. If entry is refused, the code official shall have recourse to every remedy provided by law to secure entry.

When the code official shall have first obtained a proper inspection warrant or other remedy provided by law to secure entry, no owner, owner's authorized agent, or occupant or person having charge, care or control of any building or premises shall fail or neglect, after proper request is made as herein provided, to promptly permit entry therein by the code official for the purpose of inspection and examination pursuant to this code.

IPC [A] 105.1 Modifications. Whenever there are practical difficulties involved in carrying out the provisions of this code, the code official shall have the authority to grant modifications for individual cases, upon application of the owner or owner's ~~representative~~ authorized agent, provided the code official shall first find that special individual reason makes the strict letter of this code impractical and the modification conforms to the intent and purpose of this code and that such modification does not lessen health, life and fire safety requirements. The details of action granting modifications shall be recorded and entered in the files of the plumbing inspection department.

IPC [A] 106.1 When required. Any owner, owner's authorized agent or contractor who desires to construct, enlarge, alter, repair, move, demolish or change the *occupancy* of a building or structure, or to erect, install, enlarge, alter, repair, remove, convert or replace any plumbing system, the installation of which is regulated by this code, or to cause any such work to be done, shall first make application to the code official and obtain the required permit for the work.

IPC [A] 106.3 Application for permit. Each application for a permit, with the required fee, shall be filed with the code official on a form furnished for that purpose and shall contain a general description of the proposed work and its location. The application shall be signed by the owner or an owner's authorized agent. The permit application shall indicate the proposed *occupancy* of all parts of the building and of that portion of the site or lot, if any, not covered by the building or structure and shall contain such other information required by the code official.

IPC [A] 108.5 Stop work orders. Upon notice from the code official, work on any plumbing system that is being done contrary to the provisions of this code or in a dangerous or unsafe manner shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's authorized agent, or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars.

IPC [A] 108.7.2 Authority to disconnect service utilities. The code official shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by the technical codes in case of an emergency, where necessary, to eliminate an immediate danger to life or property. Where possible, the owner or an owner's authorized agent and occupant of the building, structure or service system shall be notified of the decision to disconnect utility service prior to taking such action. If not notified prior to disconnecting, the owner, an owner's authorized agent or occupant of the building, structure or service systems shall be notified in writing, as soon as practical thereafter.

Revise the International Private Sewage Disposal Code as follows:

IPSDC [A] 102.5 Maintenance. *Private sewage disposal systems*, materials and appurtenances, both existing and new, and all parts thereof shall be maintained in proper operating condition in accordance with the original design in a safe and sanitary condition. Devices or safeguards that are required by this code shall be maintained in compliance with the code edition under which they were installed. The owner or the owner's authorized ~~designated~~ agent shall be responsible for maintenance of *private sewage disposal systems*. To determine compliance with this provision, the code official shall have the authority to require reinspection of any *private sewage disposal system*.

IPSDC [A] 104.4 Right of entry. Whenever it is necessary to make an inspection to enforce the provisions of this code, or whenever the code official has reasonable cause to believe that there exists in any building or upon any premises any conditions or violations of this code that make the building or premises unsafe, insanitary, dangerous or hazardous, the code official shall have the authority to enter the building or premises at all reasonable times to inspect or to perform the duties imposed on the code official by this code. If such building or premises is occupied, the code official shall present credentials to the occupant and request entry. If such building or premises is unoccupied, the code official shall first make a reasonable effort to locate the owner, the owner's authorized agent or other person having charge or control of the building or premises and request entry. If entry is refused, the code official has recourse to every remedy provided by law to secure entry.

When the code official shall have first obtained a proper inspection warrant or other remedy provided by law to secure entry, no owner, owner's authorized agent or occupant or person having charge, care or control of any building or premises shall fail or neglect, after proper request is made as herein provided, to promptly permit entry therein by the code official for the purpose of inspection and examination pursuant to this code.

IPSDC [A] 105.1 Modifications. Whenever there are practical difficulties involved in carrying out the provisions of this code, the code official shall have the authority to grant modifications for individual cases, upon application of the owner or owner's ~~representative~~ authorized agent provided that the code official shall first find that special individual reason makes the strict letter of this code impractical, the modification is in conformity with the intent and purpose of this code and such modification does not lessen health and fire- and life-safety requirements. The details of action granting modifications shall be recorded and entered in the files of the Private Sewage Disposal Inspection Department.

IPSDC [A] 108.5 Stop work orders. Upon notice from the code official, work on any *private sewage disposal system* that is being done contrary to the provisions of this code or in a dangerous or unsafe manner shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, to the owner's authorized agent or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars.

IPSDC [A] 108.7.2 Authority to disconnect service utilities. The code official shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by the technical codes in case of emergency, where necessary, to eliminate an immediate danger to life or property.

Where possible, the owner, the owner's authorized agent and occupant of the building, structure or service system shall be notified of the decision to disconnect utility service prior to taking such action. If not notified prior to disconnecting, the owner or occupant of the building, structure or service systems shall be notified in writing as soon as is practical thereafter.

Revise the International Property Maintenance Code as follows:

IPMC [A] 101.2 Scope. The provisions of this code shall apply to all existing residential and nonresidential structures and all existing *premises* and constitute minimum requirements and standards for *premises*, structures, equipment and facilities for light, *ventilation*, space, heating, sanitation, protection from the elements, life safety, safety from fire and other hazards, and for safe and sanitary maintenance; the responsibility of *owners*, an owner's authorized agent, *operators* and *occupants*; the *occupancy* of existing structures and *premises*, and for administration, enforcement and penalties.

IPMC [A] 102.2 Maintenance. Equipment, systems, devices and safeguards required by this code or a previous regulation or code under which the structure or *premises* was constructed, altered or repaired shall be maintained in good working order. No *owner*, owner's authorized agent, *operator* or *occupant* shall cause any service, facility, equipment or utility which is required under this section to be removed from or shut off from or discontinued for any occupied dwelling, except for such temporary interruption as necessary while repairs or alterations are in progress. The requirements of this code are not intended to provide the basis for removal or abrogation of fire protection and safety systems and devices in existing structures. Except as otherwise specified herein, the *owner* or the *owner's authorized designated agent* shall be responsible for the maintenance of buildings, structures and *premises*.

IPMC [A] 104.3 Right of entry. Where it is necessary to make an inspection to enforce the provisions of this code, or whenever the *code official* has reasonable cause to believe that there exists in a *structure* or upon a *premises* a condition in violation of this code, the *code official* is authorized to enter the structure or *premises* at reasonable times to inspect or perform the duties imposed by this code, provided that if such *structure* or *premises* is occupied the *code official* shall present credentials to the *occupant* and request entry. If such structure or *premises* is unoccupied, the *code official* shall first make a reasonable effort to locate the *owner*, the owner's authorized agent or other person having charge or control of the *structure* or *premises* and request entry. If entry is refused, the *code official* shall have recourse to the remedies provided by law to secure entry.

IPMC [A] 105.1 Modifications. Whenever there are practical difficulties involved in carrying out the provisions of this code, the *code official* shall have the authority to grant modifications for individual cases upon application of the *owner* or *owner's authorized agent representative*, provided the *code official* shall first find that special individual reason makes the strict letter of this code impractical and the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, life and fire safety requirements. The details of action granting modifications shall be recorded and entered in the department files.

IPMC [A] 107.2 Form. Such notice prescribed in Section 107.1 shall be in accordance with all of the following:

1. Be in writing.
2. Include a description of the real estate sufficient for identification.
3. Include a statement of the violation or violations and why the notice is being issued.
4. Include a correction order allowing a reasonable time to make the repairs and improvements required to bring the *dwelling unit* or structure into compliance with the provisions of this code.
5. Inform the property *owner* or the owner's authorized agent of the right to appeal.
6. Include a statement of the right to file a lien in accordance with Section 106.3.

IPMC [A] 107.6 Transfer of ownership. It shall be unlawful for the *owner* of any *dwelling unit* or structure who has received a compliance order or upon whom a notice of violation has been served to sell, transfer, mortgage, lease or otherwise dispose of such *dwelling unit* or structure to another until the

provisions of the compliance order or notice of violation have been complied with, or until such owner or the owner's authorized agent shall first furnish the grantee, transferee, mortgagee or lessee a true copy of any compliance order or notice of violation issued by the *code official* and shall furnish to the *code official* a signed and notarized statement from the grantee, transferee, mortgagee or lessee, acknowledging the receipt of such compliance order or notice of violation and fully accepting the responsibility without condition for making the corrections or repairs required by such compliance order or notice of violation.

IPMC [A] 108.2 Closing of vacant structures. If the structure is vacant and unfit for human habitation and *occupancy*, and is not in danger of structural collapse, the *code official* is authorized to post a placard of condemnation on the *premises* and order the structure closed up so as not to be an attractive nuisance. Upon failure of the owner or the owner's authorized agent to close up the *premises* within the time specified in the order, the *code official* shall cause the *premises* to be closed and secured through any available public agency or by contract or arrangement by private persons and the cost thereof shall be charged against the real estate upon which the structure is located and shall be a lien upon such real estate and may be collected by any other legal resource.

IPMC [A] 108.2.1 Authority to disconnect service utilities. The *code official* shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the referenced codes and standards set forth in Section 102.7 in case of emergency where necessary to eliminate an immediate hazard to life or property or when such utility connection has been made without approval. The *code official* shall notify the serving utility and, whenever possible, the owner or the owner's authorized agent and *occupant* of the building, structure or service system of the decision to disconnect prior to taking such action. If not notified prior to disconnection the owner, the owner's authorized agent or *occupant* of the building structure or service system shall be notified in writing as soon as practical thereafter.

IPMC [A] 108.3 Notice. Whenever the *code official* has *condemned* a structure or equipment under the provisions of this section, notice shall be posted in a conspicuous place in or about the structure affected by such notice and served on the owner, the owner's authorized agent or the person or persons responsible for the structure or equipment in accordance with Section 107.3. If the notice pertains to equipment, it shall also be placed on the *condemned* equipment. The notice shall be in the form prescribed in Section 107.2.

IPMC [A] 108.4 Placarding. Upon failure of the owner or the owner's authorized agent or person responsible to comply with the notice provisions within the time given, the *code official* shall post on the *premises* or on defective equipment a placard bearing the word "Condemned" and a statement of the penalties provided for occupying the *premises*, operating the equipment or removing the placard.

IPMC [A] 108.5 Prohibited occupancy. Any occupied structure *condemned* and placarded by the *code official* shall be vacated as ordered by the *code official*. Any person who shall occupy a placarded *premises* or shall operate placarded equipment, and any owner, the owner's authorized agent or any person responsible for the *premises* who shall let anyone occupy a placarded *premises* or operate placarded equipment shall be liable for the penalties provided by this code.

IPMC [A] 108.6 Abatement methods. The owner, the owner's authorized agent, operator or *occupant* of a building, *premises* or equipment deemed unsafe by the *code official* shall abate or cause to be abated or corrected such unsafe conditions either by repair, rehabilitation, demolition or other *approved* corrective action.

IPMC [A] 109.5 Costs of emergency repairs. Costs incurred in the performance of emergency work shall be paid by the jurisdiction. The legal counsel of the jurisdiction shall institute appropriate action against the owner of the premises or the owner's authorized agent where the unsafe structure is or was located for the recovery of such costs.

IPMC [A] 110.1 General. The *code official* shall order the owner of any premises or the owner's authorized agent, upon which is located any structure, which in the *code official* judgment after review is

so deteriorated or dilapidated or has become so out of repair as to be dangerous, unsafe, insanitary or otherwise unfit for human habitation or occupancy, and such that it is unreasonable to repair the structure, to demolish and remove such structure; or if such structure is capable of being made safe by repairs, to repair and make safe and sanitary, or to board up and hold for future repair or to demolish and remove at the *owner's* option; or where there has been a cessation of normal construction of any structure for a period of more than two years, the *code official* shall order the *owner* or the owner's authorized agent to demolish and remove such structure, or board up until future repair. Boarding the building up for future repair shall not extend beyond one year, unless *approved* by the building official.

IPMC [A] 110.3 Failure to comply. If the *owner* of a *premises* or the owner's authorized agent, fails to comply with a demolition order within the time prescribed, the *code official* shall cause the structure to be demolished and removed, either through an available public agency or by contract or arrangement with private persons, and the cost of such demolition and removal shall be charged against the real estate upon which the structure is located and shall be a lien upon such real estate.

IPMC [A] 112.2 Issuance. A stop work order shall be in writing and shall be given to the *owner* of the property, to the *owner's* authorized agent, or to the person doing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order and the conditions under which the cited work is authorized to resume.

Revise the International Wildland-Urban Interface Code as follows:

IWUIC [A] 101.6 Maintenance. All buildings, structures, landscape materials, vegetation, *defensible space* or other devices or safeguards required by this code shall be maintained in conformance to the code edition under which installed. The owner or the owner's authorized designated agent shall be responsible for the maintenance of buildings, structures, landscape materials and vegetation.

IWUIC [A] 105.1 Practical difficulties. When there are practical difficulties involved in carrying out the provisions of this code, the code official is authorized to grant modifications for individual cases on application in writing by the owner or a duly owner's authorized ~~representative agent~~. The code official shall first find that a special individual reason makes enforcement of the strict letter of this code impractical, the modification is in conformance to the intent and purpose of this code, and the modification does not lessen any fire protection requirements or any degree of structural integrity. The details of any action granting modifications shall be recorded and entered into the files of the code enforcement agency.

IWUIC [A] 105.2 Technical assistance. To determine the acceptability of technologies, processes, products, facilities, materials and uses attending the design, operation or use of a building or premises subject to the inspection of the code official, the code official is authorized to require the owner, the owner's authorized agent, or the person in possession or control of the building or premises to provide, without charge to the jurisdiction, a technical opinion and report. The opinion and report shall be prepared by a qualified engineer, specialist, laboratory or fire safety specialty organization acceptable to the code official and the or the owner's authorized agent and shall analyze the fire safety of the design, operation or use of the building or premises, the facilities and appurtenances situated thereon and fuel management for purposes of establishing fire hazard severity to recommend necessary changes.

IWUIC [A] 109.2.2 Service of orders and notices. Orders and notices authorized or required by this code shall be given or served on the owner, the owner's authorized agent, operator, occupant or other person responsible for the condition or violation either by verbal notification, personal service, or delivering the same to, and leaving it with, a person of suitable age and discretion on the premises; or, if no such person is found on the premises, by affixing a copy thereof in a conspicuous place on the door to the entrance of said premises and by mailing a copy thereof to such person by registered or certified mail to the person's last known address.

Orders or notices that are given verbally shall be confirmed by service in writing as herein provided.

IWUIC [A] 109.3 Right of entry. Whenever necessary to make an inspection to enforce any of the provisions of this code, or whenever the code official has reasonable cause to believe that there exists in

any building or on any premises any condition that makes such building or premises unsafe, the code official is authorized to enter such building or premises at all reasonable times to inspect the same or to perform any duty authorized by this code, provided that if such building or premises is occupied, the code official shall first present proper credentials and request entry; and if such building or premises is unoccupied, the code official shall first make a reasonable effort to locate the owner, the owner's authorized agent, or other persons having charge or control of the building or premises and request entry. If such entry is refused, the code official shall have recourse to every remedy provided by law to secure entry. Owners, the owner's authorized agent, occupants or any other persons having charge, care or control of any building or premises, shall, after proper request is made as herein provided, promptly permit entry therein by the code official for the purpose of inspection and examination pursuant to this code.

IWUIC [A] 109.4.1 General compliance. Orders and notices issued or served as provided by this code shall be complied with by the owner, the owner's authorized agent, operator, occupant or other person responsible for the condition or violation to which the corrective order or notice pertains.

If the building or premises is not occupied, such corrective orders or notices shall be complied with by the owner or the owner's authorized agent.

IWUIC [A] 109.4.5.2 Notice. Where an unsafe condition is found, the code official shall serve on the owner, owner's authorized agent or person in control of the building, structure or premises, a written notice that describes the condition deemed unsafe and specifies the required repairs or improvements to be made to abate the unsafe condition, or that requires the unsafe structure to be demolished within a stipulated time. Such notice shall require the person thus notified, or their designee, to declare within a stipulated time to the code official acceptance or rejection of the terms of the order.

IWUIC [A] 109.4.5.2.1 Method of service. Such notice shall be deemed properly served if a copy thereof is (a) delivered to the owner or the owner's authorized agent personally; (b) sent by certified or registered mail addressed to the owner or the owner's authorized agent at the last known address with the return receipt requested; or (c) delivered in any other manner as prescribed by local law. If the certified or registered letter is returned showing that the letter was not delivered, a copy thereof shall be posted in a conspicuous place in or about the structure affected by such notice. Service of such notice in the foregoing manner upon the owner's authorized agent or upon the person responsible for the structure shall constitute service of notice upon the owner.

IWUIC [A] 109.4.5.3 Placarding. Upon failure of the owner, the owner's authorized agent, or person responsible to comply with the notice provisions within the time given, the code official shall post on the premises or on defective equipment a placard bearing the word "UNSAFE" and a statement of the penalties provided for occupying the premises, operating the equipment or removing the placard.

IWUIC [A] 109.4.5.4 Abatement. The owner, the owner's authorized agent, operator or occupant of a building, structure or premises deemed unsafe by the code official shall abate or correct or cause to be abated or corrected such unsafe conditions either by repair, rehabilitation, demolition or other *approved* corrective action.

IWUIC [A] 113.2 Authority to disconnect service utilities. The code official shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the referenced codes and standards set forth in Section 102.4 in case of emergency where necessary to eliminate an immediate hazard to life or property or when such utility connection has been made without the release required by Section 113.1. The code official shall notify the serving utility and whenever possible the owner or the owner's authorized agent and occupant of the building, structure or service system of the decision to disconnect prior to taking such action if not notified prior to disconnection. The owner, the owner's authorized agent or occupant of the building, structure or service system shall be notified in writing as soon as practical thereafter.

IWUIC [A] 114.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property involved, to the owner's authorized agent or to the person doing the work. Upon issuance of a

stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order and the conditions under which the cited work will be permitted to resume.

Revise the International Zoning Code as follows:

IZC [A] 103.3 Maintenance. All buildings or uses, both existing and new, and all parts thereof, shall be maintained. The owner or owner's authorized ~~designated~~ agent shall be responsible for the maintenance of buildings and parcels of land. To determine compliance with this section, the code official shall be permitted to cause any structure or use to be inspected.

IZC [A] 107.7.3 Variance review criteria. The board of adjustment shall be permitted to approve, approve with conditions or deny a request for a variance. Each request for a variance shall be consistent with the following criteria:

1. Limitations on the use of the property due to physical, topographical and geologic features.
2. The grant of the variance will not grant any special privilege to the property owner or the owner's authorized agent.
3. The applicant can demonstrate that without a variance there can be no reasonable use of the property.
4. The grant of the variance is not based solely on economic reasons.
5. The necessity for the variance was not created by the property owner or the owner's authorized agent.
6. The variance requested is the minimum variance necessary to allow reasonable use of the property.
7. The grant of the variance will not be injurious to the public health, safety or welfare.
8. The property subject to the variance request possesses one or more unique characteristics generally not applicable to similarly situated properties.

IZC [A] 109.1 Hearings. Upon receipt of an application in proper form, the code official shall arrange to advertise the time and place of public hearing. Such advertisement shall be given by at least one publication in a newspaper of general circulation within the jurisdiction. Such notice shall state the nature of the request, the location of the property, and the time and place of hearing. Reasonable effort shall also be made to give notice by regular mail of the time and place of hearing to each surrounding property owner or the owner's authorized agent; the extent of the area to be notified shall be set by the code official. A notice of such hearing shall be posted in a conspicuous manner on the subject property.

PART II – IECC-COMMERCIAL

Revise the International Energy Conservation Code-Commercial as follows:

IECC C108.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property involved, or to the owner's authorized agent, or to the person doing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order, and the conditions under which the cited work will be permitted to resume.

PART III – IECC-RESIDENTIAL

Revise the International Energy Conservation Code-Residential as follows:

IECC R108.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property involved, or to the owner's authorized agent, or to the person doing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order, and the conditions under which the cited work will be permitted to resume.

PART IV – IRC

Revise the International Residential Code as follows:

IRC R104.6 Right of entry. Where it is necessary to make an inspection to enforce the provisions of this code, or where the *building official* has reasonable cause to believe that there exists in a structure or upon a premises a condition which is contrary to or in violation of this code which makes the structure or premises unsafe, dangerous or hazardous, the *building official* or designee is authorized to enter the structure or premises at reasonable times to inspect or to perform the duties imposed by this code, provided that if such structure or premises be occupied that credentials be presented to the occupant and entry requested. If such structure or premises be unoccupied, the *building official* shall first make a reasonable effort to locate the owner, the owner's authorized agent, or other person having charge or control of the structure or premises and request entry. If entry is refused, the *building official* shall have recourse to the remedies provided by law to secure entry.

IRC R105.1 Required. Any owner or owner's authorized agent who intends to construct, enlarge, alter, repair, move, demolish or change the occupancy of a building or structure, or to erect, install, enlarge, alter, repair, remove, convert or replace any electrical, gas, mechanical or plumbing system, the installation of which is regulated by this code, or to cause any such work to be done, shall first make application to the *building official* and obtain the required *permit*.

IRC R110.3 Certificate issued. After the *building official* inspects the building or structure and finds no violations of the provisions of this code or other laws that are enforced by the department of building safety, the *building official* shall issue a certificate of occupancy which shall contain the following:

1. The building *permit* number.
2. The address of the structure.
3. The name and address of the owner or the owner's authorized agent.
4. A description of that portion of the structure for which the certificate is issued.
5. A statement that the described portion of the structure has been inspected for compliance with the requirements of this code.
6. The name of the *building official*.
7. The edition of the code under which the *permit* was issued.
8. If an automatic sprinkler system is provided and whether the sprinkler system is required.
9. Any special stipulations and conditions of the building *permit*.

IRC R111.3 Authority to disconnect service utilities. The *building official* shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the referenced codes and standards set forth in Section R102.4 in case of emergency where necessary to eliminate an immediate hazard to life or property or when such utility connection has been made without the approval required by Section R111.1 or R111.2. The *building official* shall notify the serving utility and whenever possible the owner or the owner's authorized agent and occupant of the building, structure or service system of the decision to disconnect prior to taking such action if not notified prior to disconnection. The owner, the owner's authorized agent, or occupant of the building, structure or service system shall be notified in writing as soon as practical thereafter.

IRC R114.1 Notice to owner or the owner's authorized agent. Upon notice from the *building official* that work on any building or structure is being prosecuted contrary to the provisions of this code or in an unsafe and dangerous manner, such work shall be immediately stopped. The stop work order shall be in writing and shall be given to the owner of the property involved, or to the owner's authorized agent or to the person doing the work and shall state the conditions under which work will be permitted to resume.

PART V – ISPSC

Revise the International Swimming Pool and Spa Code as follows:

ISPSC 102.3 Maintenance. All *aquatic vessel* and related mechanical, electrical and plumbing systems, both existing and new, and all parts thereof, shall be maintained in proper operating condition in accordance with the original design in a safe and sanitary condition. All devices or safeguards required by this code shall be maintained in compliance with the code edition under which they were installed.

The *owner* or the *owner's* authorized designated agent shall be responsible for maintenance of all systems. To determine compliance with this provision, the *code official* shall have the authority to require any system to be reinspected.

ISPSC 104.6 Right of entry. Where it is necessary to make an inspection to enforce the provisions of this code, or where the *code official* has reasonable cause to believe that there exists in a structure or upon a premises a condition which is contrary to or in violation of this code which makes the structure or premises unsafe, dangerous or hazardous, the *code official* is authorized to enter the structure or premises at reasonable times to inspect or to perform the duties imposed by this code, provided that if such structure or premises be occupied that credentials be presented to the occupant and entry requested. If such structure or premises is unoccupied, the *code official* shall first make a reasonable effort to locate the owner, the owner's authorized agent or other person having charge or control of the structure or premises and request entry. If entry is refused, the *code official* shall have recourse to the remedies provided by law to secure entry.

ISPSC 104.8 Modifications. Wherever there are practical difficulties involved in carrying out the provisions of this code, the *code official* shall have the authority to grant modifications for individual cases, upon application of the owner or owner's authorized agent ~~representative~~, provided the *code official* shall first find that special individual reason makes the strict letter of this code impractical and the modification is in compliance with the intent and purpose of this code and that such modification does not lessen sustainability, health, accessibility, life safety and structural requirements. The details of action granting modifications shall be recorded and entered in the files of the department of building safety.

ISPSC 105.1 When required. Any *owner*, or *owner's* authorized agent who desires to construct, enlarge, alter, *repair*, move, or demolish an *aquatic vessel* or to erect, install, enlarge, alter, repair, remove, convert or replace any system, the installation of which is regulated by this code, or to cause any such work to be done, shall first make application to the *code official* and obtain the required *permit* for the work.

ISPSC 105.2 Application for permit. Each application for a permit, with the required fee, shall be filed with the *code official* on a form furnished for that purpose and shall contain a general description of the proposed work and its location. The application shall be signed by the owner or ~~an~~ the owner's authorized agent. The permit application shall contain such other information required by the *code official*.

ISPSC 107.5 Stop work orders. Upon notice from the *code official*, work on any system that is being done contrary to the provisions of this code or in a dangerous or unsafe manner shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's authorized agent, or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the *code official* shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars.

ISPSC 107.7.2 Authority to disconnect service utilities. The *code official* shall have the authority to authorize disconnection of utility service to the *aquatic vessel* regulated by the technical codes in case of an emergency, where necessary, to eliminate an immediate danger to life or property. Where possible, the owner or the owner's authorized agent and occupant of the building where the aquatic vessel is

located shall be notified of the decision to disconnect utility service prior to taking such action. If not notified prior to disconnecting, the owner or the owner's authorized agent or occupant of the building shall be notified in writing, as soon as practical thereafter.

Reason: The purpose for the proposal is to update the references to "applicant" and "owner" throughout the building code by changing them to the "owner or the owner's authorized agent" where it is warranted. In Section 110.1, "the permit applicant" is changed to "the owner or the owner's authorized agent" because the latter should be responsible to keep the work accessible and exposed for inspection. In Sections 1703.4.1 and 1707.1, "the applicant" is changed to "the owner or the owner's authorized agent" because the latter should be responsible for the costs of required tests, reports and investigations. In Sections 1703.6 and 1704.2.4, "the applicant" is changed to "the owner or the owner's authorized agent" because the latter should be responsible for submitting required reports to the building official. In Section 1703.6.1, the applicant" is changed to "the owner or the owner's authorized agent" for consistency with Section 1704.2 that requires the latter to employ the approved agencies. In Section 1803.6, the "owner or authorized agent" is changed to the "permit applicant" because it should be permissible for the latter to submit the geotechnical report with the other submittal documents at the time of permit application. The 2012 IBC contains additional references to "owner" but, based on the context in which they are used, it is not considered appropriate or useful to revise the language in conjunction with this proposal (e.g., from "the owner" to "the owner or the owner's authorized agent"). See Sections 101.4.4, 104.6, 111.2, 112.3, 116.3, 116.4, 402.3, 913.4, 1107.4-Exc. 1, 1607.7.4, 3108.2, 3307.1, 3412.4, 3412.4.1, G101.2, G105.6-Item 3, K103.1 and L101.3. The 2012 IBC contains additional references to "applicant" but, based on the context in which they are used, it is also not considered appropriate or useful to revise the language in conjunction with this proposal (e.g., from "the applicant" to "the owner or the owner's authorized agent"). See Sections 104.10.1-Item 5, 105.1.1, 105.3, 107.3.1, 109.3, 109.5, 1612.3.1, 1612.3.2, 1704.2.3, 1704.3, G103.3, G103.4, G103.5.1, G103.6, G104.2, G105.7-Item 5 and J104.1. All instances in the 2012 IBC of "applicant" and "owner," other than listed above, are included in this proposal.

Cost Impact: The code change proposal will not increase the cost of construction.

Staff analysis: This proposal for IBC indicate a correlative change throughout the code for the changes in Chapter 1. If this proposal is approved, similar revisions will be completed in the other chapters of the codes where the terms similar to "owner and owner's authorized agent".

ADM22-13

PART I – IBC; ICCPC; IEBC; IFC; IFCG; IMC; IPC; IPSDC; IPMC; IWUIC; IZC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IECC-COMMERCIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – IECC-RESIDENTIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART IV – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART V – ISPSC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

1607.7.5-S-BRAZIL

ADM23 – 13

PART I - IBC: [A] 104.11; IEBC: [A] 104.11 IFC: [A] 104.9; IFGC: [A] 105.2; IMC: [A] 105.2; IPC: [A] 105.2; IPSDC: [A] 105.2; IPMC: [A] 105.2; IWUIC: [A] 105.3

PART II - IRC: R104.11;

PART III - ISPSC 104.9

THIS IS A 3 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART III WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Larry Wainright, Qualtim, representing Structural Building Components Association (lwainright@qualtim.com)

PART I – IBC; IEBC; IFC; IFGC; IMC; IPC; IPSDC; IPMC; IWUIC

Revise the International Building Code as follows:

IBC [A] 104.11 Alternative materials, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been approved. An alternative material, design or method of construction shall be approved where the building official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety. Where the alternative material, design or method of construction is not approved, the *building official* shall respond in writing, stating the reasons the alternative was not approved.

Revise the International Existing Building Code as follows:

IEBC [A] 104.11 Alternative materials, design and methods of construction, and equipment. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been approved. An alternative material, design, or method of construction shall be approved where the *code official* finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method, or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability, and safety. Where the alternative material, design or method of construction is not approved, the *code official* shall respond in writing, stating the reasons the alternative was not approved.

Revise the International Fire Code as follows:

IFC [A] 104.9 Alternative materials and methods. The provisions of this code are not intended to prevent the installation of any material or to prohibit any method of construction not specifically prescribed by this code, provided that any such alternative has been *approved*. The *fire code official* is authorized to approve an alternative material or method of construction where the *fire code official* finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, *fire resistance*, durability and safety. Where the alternative material, design or method of construction is not approved, the *fire code official* shall respond in writing, stating the reasons the alternative was not approved.

Revise the International Fuel Gas Code as follows:

IFGC [A] 105.2 Alternative materials, methods, appliances and equipment. The provisions of this code are not intended to prevent the installation of any material or to prohibit any method of construction not specifically prescribed by this code, provided that any such alternative has been *approved*. An alternative material or method of construction shall be *approved* where the code official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety. Where the alternative material, design or method of construction is not approved, the code official shall respond in writing, stating the reasons the alternative was not approved.

Revise the International Mechanical Code as follows:

IMC [A] 105.2 Alternative materials, methods, equipment and appliances. The provisions of this code are not intended to prevent the installation of any material or to prohibit any method of construction not specifically prescribed by this code, provided that any such alternative has been *approved*. An alternative material or method of construction shall be *approved* where the code official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety. Where the alternative material, design or method of construction is not approved, the code official shall respond in writing, stating the reasons the alternative was not approved.

Revise the International Plumbing Code as follows:

IPC [A] 105.2 Alternative materials, methods and equipment. The provisions of this code are not intended to prevent the installation of any material or to prohibit any method of construction not specifically prescribed by this code, provided that any such alternative has been *approved*. An alternative material or method of construction shall be *approved* where the code official finds that the proposed alternative material, method or equipment complies with the intent of the provisions of this code and is at least the equivalent of that prescribed in this code. Where the alternative material, design or method of construction is not approved, the code official shall respond in writing, stating the reasons the alternative was not approved.

Revise the International Private Sewage Disposal Code as follows:

IPSDC [A] 105.2 Alternative materials, methods and equipment. The provisions of this code are not intended to prevent the installation of any material or to prohibit any method of construction not specifically prescribed by this code, provided that any such alternative has been approved. An alternative material or method of construction shall be approved where the code official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety. Where the alternative material, design or method of construction is not approved, the code official shall respond in writing, stating the reasons the alternative was not approved.

Revise the International Property Maintenance Code as follows:

IPMC [A] 105.2 Alternative materials, methods and equipment. The provisions of this code are not intended to prevent the installation of any material or to prohibit any method of construction not specifically prescribed by this code, provided that any such alternative has been *approved*. An alternative material or method of construction shall be *approved* where the code official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety. Where the alternative material,

design or method of construction is not approved, the *code official* shall respond in writing, stating the reasons the alternative was not approved.

Revise the International Wildland-Urban Interface Code as follows:

IWUIC [A] 105.3 Alternative materials or methods. The code official, in concurrence with approval from the *building official* and fire chief, is authorized to approve alternative materials or methods, provided that the code official finds that the proposed design, use or operation satisfactorily complies with the intent of this code and that the alternative is, for the purpose intended, at least equivalent to the level of quality, strength, effectiveness, fire resistance, durability and safety prescribed by this code. Approvals under the authority herein contained shall be subject to the approval of the *building official* whenever the alternate material or method involves matters regulated by the *International Building Code*.

The code official shall require that sufficient evidence or proof be submitted to substantiate any claims that may be made regarding its use. The details of any action granting approval of an alternate shall be recorded and entered in the files of the code enforcement agency. Where the alternative material, design or method of construction is not approved, the *code official* shall respond in writing, stating the reasons the alternative was not approved.

PART II – IRC

Revise the International Residential Code as follows:

IRC R104.11 Alternative materials, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been *approved*. An alternative material, design or method of construction shall be *approved* where the *building official* finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code. Compliance with the specific performance-based provisions of the International Codes in lieu of specific requirements of this code shall also be permitted as an alternate. Where the alternative material, design or method of construction is not approved, the *building official* shall respond in writing, stating the reasons the alternative was not approved.

PART III – ISPSC

Revise the International Swimming Pool and Spa Code as follows:

ISPSC 104.9 Alternative materials, methods and equipment. The provisions of this code are not intended to prevent the installation of any material or to prohibit any method of construction not specifically prescribed by this code, provided that any such alternative has been *approved*. An alternative material or method of construction shall be approved where the *code official* finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, durability and safety. Where the alternative material, design or method of construction is not approved, the *code official* shall respond in writing, stating the reasons the alternative was not approved.

Reason: the language added is similar to that included at 105.3.1 when a permit application is rejected. This proposed change assumes that the non-approval of an alternative method is not the same as the non-approval of a permit, i.e., the permit application may have been approved but an alternative method might not be approved until a later date. However, the reasons for responding to the applicant in writing are the same, as noted in the Commentary to section 105.3.1: 'In order to ensure effective communication and due process of law, the reasons for denial of an application for a permit are required to be in writing. Further, the language is coordinated across all of the I-codes for consistency of enforcement.'

Cost Impact: This proposal will not increase the cost of construction.

ADM23-13**PART I – IBC; IEBC; IFC; IFCG; IMC; IPC; IPSDC; IPMC; IWUIC**

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – ISPSC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

104.11-ADM (IBC)-WAINRIGHT

ADM24 – 13

PART I - IBC: [A]104.12 (New), [A]104.13(New), IEBC: [A]104.12 (New), [A]104.13(New), IFC: [A]104.12 (New), [A]104.13(New), IFGC: [A]104.8 (New), [A]104.9(New), IMC: [A]104.8(New), [A]104.9(New), IPC: [A]104.8(New), [A]104.9(New), IPSDC: [A]104.8(New), [A]104.9(New), IPMC: [A]104.7 (New), [A]104.8(New), IWUIC: [A]104.8(New), [A]104.9(New)
PART II – IRC: R104.12 (New), R104.13(New)
PART III - ISPC: 104.13(New), 104.14(New)

THIS IS A 3 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART III WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: David S. Collins, FAIA, The Preview Group, Inc./The American Institute of Architects (dcollins@preview-group.com)

PART I – IBC; IEBC; IFC; IFGC; IMC; IPC; IPSDC; IPMC; IWUIC

Add new text to the International Building Code as follows:

IBC [A] 104.12 Preliminary meeting. When requested by the permit applicant or the building official, the building official shall meet with the permit applicant prior to the application for a construction permit to discuss plans for the proposed work or change of occupancy in order to establish the specific applicability of the provisions of this code.

IBC [A] 104.13 Building evaluation. The building official is authorized to require an existing building to be investigated and evaluated by a registered design professional based on the circumstances agreed upon at the preliminary meeting. The design professional shall notify the building official where any potential nonconformance with the provisions of this code is identified.

Add new text to the International Existing Building Code as follows:

IEBC [A] 104.12 Preliminary meeting. When requested by the permit applicant or the code official, the code official shall meet with the permit applicant prior to the application for a construction permit to discuss plans for the proposed work or change of occupancy in order to establish the specific applicability of the provisions of this code.

IEBC [A] 104.13 Building evaluation. The code official is authorized to require an existing building to be investigated and evaluated by a registered design professional based on the circumstances agreed upon at the preliminary meeting. The design professional shall notify the code official where any potential nonconformance with the provisions of this code is identified.

Add new text to the International Fire Code as follows:

IFC [A] 104.12 Preliminary meeting. When requested by the permit applicant or the fire code official, the fire code official shall meet with the permit applicant prior to the application for a construction permit to discuss plans for the proposed work or change of occupancy in order to establish the specific applicability of the provisions of this code.

IFC [A] 104.13 Building evaluation. The fire code official is authorized to require an existing building to be investigated and evaluated by a registered design professional based on the circumstances agreed upon at the preliminary meeting. The design professional shall notify the fire code official where any potential nonconformance with the provisions of this code is identified.

Add new text to the International Fuel Gas Code as follows:

IFGC [A] 104.8 Preliminary meeting. When requested by the permit applicant or the code official, the code official shall meet with the permit applicant prior to the application for a construction permit to discuss plans for the proposed work or change of occupancy in order to establish the specific applicability of the provisions of this code.

IFGC [A] 104.9 Building evaluation. The code official is authorized to require an existing building to be investigated and evaluated by a registered design professional based on the circumstances agreed upon at the preliminary meeting. The design professional shall notify the code official where any potential nonconformance with the provisions of this code is identified.

Add new text to the International Mechanical Code as follows:

IMC [A] 104.8 Preliminary meeting. When requested by the permit applicant or the code official, the code official shall meet with the permit applicant prior to the application for a construction permit to discuss plans for the proposed work or change of occupancy in order to establish the specific applicability of the provisions of this code.

IMC [A] 104.9 Building evaluation. The code official is authorized to require an existing building to be investigated and evaluated by a registered design professional based on the circumstances agreed upon at the preliminary meeting. The design professional shall notify the code official where any potential nonconformance with the provisions of this code is identified.

Add new text to the International Plumbing Code as follows:

IPC [A] 104.8 Preliminary meeting. When requested by the permit applicant or the code official, the code official shall meet with the permit applicant prior to the application for a construction permit to discuss plans for the proposed work or change of occupancy in order to establish the specific applicability of the provisions of this code.

IPC [A] 104.9 Building evaluation. The code official is authorized to require an existing building to be investigated and evaluated by a registered design professional based on the circumstances agreed upon at the preliminary meeting. The design professional shall notify the code official where any potential nonconformance with the provisions of this code is identified.

Add new text to the International Private Sewage Disposal Code as follows:

IPSDC [A] 104.8 Preliminary meeting. When requested by the permit applicant or the code official, the code official shall meet with the permit applicant prior to the application for a construction permit to discuss plans for the proposed work or change of occupancy in order to establish the specific applicability of the provisions of this code.

IPSDC [A] 104.9 Building evaluation. The code official is authorized to require an existing building to be investigated and evaluated by a registered design professional based on the circumstances agreed upon at the preliminary meeting. The design professional shall notify the code official where any potential nonconformance with the provisions of this code is identified.

Add new text to the International Property Maintenance Code as follows:

IPMC [A] 104.7 Preliminary meeting. When requested by the permit applicant or the code official, the code official shall meet with the permit applicant prior to the application for a construction permit to discuss plans for the proposed work or change of occupancy in order to establish the specific applicability of the provisions of this code.

IPMC [A] 104.8 Building evaluation. The code official is authorized to require an existing building to be investigated and evaluated by a registered design professional based on the circumstances agreed upon at the preliminary meeting. The design professional shall notify the code official where any potential nonconformance with the provisions of this code is identified.

Add new text to the International Wildland-Urban Interface Code as follows:

IWUIC [A] 104.8 Preliminary meeting. When requested by the permit applicant or the code official, the code official shall meet with the permit applicant prior to the application for a construction permit to discuss plans for the proposed work or change of occupancy in order to establish the specific applicability of the provisions of this code.

IWUIC [A] 104.9 Building evaluation. The code official is authorized to require an existing building to be investigated and evaluated by a registered design professional based on the circumstances agreed upon at the preliminary meeting. The design professional shall notify the code official where any potential nonconformance with the provisions of this code is identified.

PART II – IRC

Add new text to the International Residential Code as follows:

IRC [A] R104.12 Preliminary meeting. When requested by the permit applicant or the building official, the building official shall meet with the permit applicant prior to the application for a construction permit to discuss plans for the proposed work or change of occupancy in order to establish the specific applicability of the provisions of this code.

IRC [A] R104.13 Building evaluation. The building official is authorized to require an existing building to be investigated and evaluated by a registered design professional based on the circumstances agreed upon at the preliminary meeting. The design professional shall notify the building official where any potential nonconformance with the provisions of this code is identified.

PART III – ISPSC

Add new text to the International Swimming Pool and Spa Code as follows:

ISPSC 104.13 Preliminary meeting. When requested by the permit applicant or the code official, the code official shall meet with the permit applicant prior to the application for a construction permit to discuss plans for the proposed work or change of occupancy in order to establish the specific applicability of the provisions of this code.

ISPSC 104.14 Building evaluation. The code official is authorized to require an existing building to be investigated and evaluated by a registered design professional based on the circumstances agreed upon at the preliminary meeting. The design professional shall notify the code official where any potential nonconformance with the provisions of this code is identified.

Reason: Several of the ICC codes have provisions for meetings prior to the processing of an application. Every building would benefit from the sharing of knowledge and expertise of the design team and the code official regarding the scope and circumstances surrounding a particular project.

Cost Impact: None

ADM24-13**PART I – IBC; IEBC; IFC; IFCG; IMC; IPC; IPSDC; IPMC; IWUIC**

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – ISPSC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

104.12 (NEW)-ADM (IBC)-COLLINS

ADM25 – 13

IFC: [A] 105.1.4 (New), [A] 105.1.5 (New)

Proponent: Anthony C. Apfelbeck, CBO, CFPS, City of Altamonte Springs Building/Fire Safety Division, representing self. (ACApfelbeck@Altamonte.org)

Add new text to the International Fire Code as follows:

IFC [A] 105.1.4 Emergency repairs. Where equipment replacement and repairs must be performed in an emergency situation, the permit application shall be submitted within the next working business day to the fire code official

IFC [A] 105.1.5 Repairs. Application or notice to the fire code official is not required for ordinary repairs to structures, equipment or systems. Such repairs shall not include the cutting away of any wall, partition or portion thereof, the removal or change of any required means of egress, or rearrangement of parts of a structure affecting the egress requirements; nor shall any repairs include addition to, alteration of, replace or relocation of any standpipe, fire protection water supply, automatic sprinkler system, fire alarm system or other work affecting fire protection or life safety.

Reason: The proposed Section 105.1.4 and 105.1.5 are identical to Sections 105.2.1 and 105.2.2 of the IBC with the exception that fire code official has replaced the term building official. This provision is needed in the IFC to address situations where emergency repairs and general repairs are required in addition to providing an allowance for ordinary repairs. The need in the IFC is similar to the need in the IBC. Both codes should match with similar provisions and direction to end users in dealing with these two types of issues.

Cost Impact: This code change will reduce the cost of construction. This change will cause both the IBC and IFC to match which will ease compliance and enforcement costs.

ADM25-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

105.1.5 (NEW)-ADM (IFC)-APFELBECK

ADM26 – 13

IFC: [A] 105.1.4 (New), [A] 105.1.4.1 (New); **IFGC:** [A] 106.1.1 (New), [A] 106.1.2 (New); **IMC:** [A] 106.1.1 (New), [A] 106.1.2 (New); **IPC:** [A] 106.1.1 (New), [A] 106.1.2 (New); **IPSDC:** [A] 106.1.1 (New), [A] 106.1.2 (New)

Proponent: Anthony C. Apfelbeck, CBO, CFPS, City of Altamonte Springs Building/Fire Safety Division, representing self (ACApfelbeck@Altamonte.org)

Add new text to the International Fire Code as follows:

IFC [A] 105.1.4 Annual permit. In lieu of an individual construction permit for each alteration to an already approved system or equipment installation, the fire code official is authorized to issue an annual permit upon application therefor to any person, firm or corporation regularly employing one or more qualified tradespersons in the building, structure or on the premises owned or operated by the applicant for the permit.

IFC [A] 105.1.4.1 Annual permit records. The person to whom an annual permit is used shall keep a detailed record of alterations made under such annual permit. The fire code official shall have access to such records at all times or such records shall be filed with the fire code official as designated.

Revise the International Fuel Gas Code as follows:

IFGC [A] 106.1.1 Annual permit. In lieu of an individual construction permit for each alteration to an already approved system or equipment installation, the code official is authorized to issue an annual permit upon application therefor to any person, firm or corporation regularly employing one or more qualified tradespersons in the building, structure or on the premises owned or operated by the applicant for the permit.

IFGC [A] 106.1.2 Annual permit records. The person to whom an annual permit is used shall keep a detailed record of alterations made under such annual permit. The code official shall have access to such records at all times or such records shall be filed with the code official as designated.

Revise the International Mechanical Code as follows:

IMC [A] 106.1.1 Annual permit. In lieu of an individual construction permit for each alteration to an already approved system or equipment installation, the code official is authorized to issue an annual permit upon application therefor to any person, firm or corporation regularly employing one or more qualified tradespersons in the building, structure or on the premises owned or operated by the applicant for the permit.

IMC [A] 106.1.2 Annual permit records. The person to whom an annual permit is used shall keep a detailed record of alterations made under such annual permit. The code official shall have access to such records at all times or such records shall be filed with the code official as designated.

Revise the International Plumbing Code as follows:

IPC [A] 106.1.1 Annual permit. In lieu of an individual construction permit for each alteration to an already approved system or equipment installation, the code official is authorized to issue an annual permit upon application therefor to any person, firm or corporation regularly employing one or more qualified tradespersons in the building, structure or on the premises owned or operated by the applicant for the permit.

IPC [A] 106.1.2 Annual permit records. The person to whom an annual permit is used shall keep a detailed record of alterations made under such annual permit. The code official shall have access to such records at all times or such records shall be filed with the code official as designated.

Revise the International Private Sewage Disposal Code as follows:

IPSDC [A] 106.1.1 Annual permit. In lieu of an individual construction permit for each alteration to an already approved system or equipment installation, the code official is authorized to issue an annual permit upon application therefor to any person, firm or corporation regularly employing one or more qualified tradespersons in the building, structure or on the premises owned or operated by the applicant for the permit.

IPSDC [A] 106.1.2 Annual permit records. The person to whom an annual permit is used shall keep a detailed record of alterations made under such annual permit. The code official shall have access to such records at all times or such records shall be filed with the code official as designated.

Reason: This proposed language is identical to the current language in section 105.1.1 and 105.1.2 of the IBC with the exception that the title of the code official is changes and that the list of systems have been removed from the types of permits. There is similar language in the IEBC, Section 105.1.1 and 105.1.2. The need for this language in the IFC and other codes is similar to the justification for it being present in the IBC. If annual permits can be issued for MEP system upon approval of the Building Official, annual permits should be able to be issued for fire systems regulated by the IFC upon the approval of the Fire Official.

The idea for this proposal was originally brought up as an issue for the IFC and fire code officials. However, once it was identified that there is Permit section in the IFGC, IMC, IPC and IPSDC, it seemed appropriate to extend this proposal.

Cost Impact: This code change will reduce the cost of construction. In situations where the issuance of annual permit for fire protection systems is appropriate, there will be a direct cost saving to the contractor in avoiding the need for individual permits.

Staff analysis: Permit sections are also found in the IWUIC and Pool codes.

ADM26-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

105.1.4 (NEW)-ADM (IFC)-APFELBECK

ADM27 – 13

PART I – IBC: 105.2

PART II – IRC: R105.2

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE. PART II WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Rick Davidson, City of Maple Grove, representing Association of Minnesota Building Officials (rdavidson@maplegrovern.gov)

PART I – IBC

Revise the International Building Code as follows:

IBC [A] 105.2 Work exempt from permit. Exemptions from *permit* requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction. *Permits* shall not be required for the following:

Building:

1. One-story detached accessory structures ~~used as tool and storage sheds, playhouses and similar uses,~~ provided the floor area is not greater than 120 square feet (11 m²).
- 2 through 13 (No change to current text)

(Remainder of section not shown remains unchanged.)

PART II – IRC

Revise the International Residential Code as follows:

R105.2 Work exempt from permit. *Permits* shall not be required for the following. Exemption from *permit* requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this *jurisdiction*.

Building:

1. One-story detached ~~accessory structures used as tool and storage sheds, playhouses and similar uses,~~ provided the floor area does not exceed 200 square feet (18.58 m²).
- 2 through 10 (No change to current text)

(Remainder of section not shown remains unchanged.)

Reason: The term “used as tool and storage sheds, playhouses and similar uses” is proposed to be deleted because there now exists in the IRC a definition for “accessory structure”. It is unnecessary to further define the term in the rule as it only serves to add confusion. For example, a small outdoor screen room meets the definition of accessory structure but is it exempt from permits? It poses no more of a hazard than a playhouse or tool shed. It is better to let the definition provide direction.

ACCESSORY STRUCTURE. A structure not greater than 3,000 square feet (279 m²) in floor area, and not over two stories in height, the use of which is customarily accessory to and incidental to that of the dwelling(s) and which is located on the same lot.

Cost Impact: None

ADM27-13**PART I – IBC**

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

R105.2 #2-RB-DAVIDSON

ADM28 – 13

IBC: [A] 105.2

Proponent: Jennifer Hatfield, J. Hatfield & Associates, PL, representing Association of Pool & Spa Professionals (jen@jhatfieldandassociates.com)

Revise the International Building Code as follows:

IBC [A] 105.2 Work exempt from permit. Exemptions from *permit* requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction. *Permits* shall not be required for the following:

Building:

1 through 8 *(No change to text)*

~~9. Prefabricated swimming pools accessory to a Group R-3 occupancy that are less than 24 inches (610 mm) deep, are not greater than 5,000 gallons (18 925 L) and are installed entirely above ground.~~

10 through 13 *(No change to text)*

(No change to portions of section not shown)

Reason: The new International Swimming Pool & Spa Code (ISPSC) does not define nor exempt from permitting, prefabricated swimming pools. Rather, the exemption from permitting under the new ISPSC is based on whether or not the structure in question meets the definition of an aquatic vessel, which is defined in the ISPSC (and suggested for inclusion in the IBC definitions in a subsequent proposal). This new aquatic vessel definition eliminates the need for the exception listed under Section 105.2 and if it were to remain, it would conflict with the requirements found in the new ISPSC, which find that if a structure falls under the aquatic vessel definition, it requires a permit.

Cost Impact: The code change proposal will not increase the cost of construction.

ADM28-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

105.2-ADM (IBC)-HATFIELD

ADM29 – 13

IFC: [A] 105.4.2.2 (New)

Proponent: Anthony C. Apfelbeck, CBO, CFPS, City of Altamonte Springs Building/Fire Safety Division, representing self. (ACApfelbeck@Altamonte.org)

Add new text to the International Fire Code as follows:

IFC [A] 105.4.2.2 Site Plan. The construction documents submitted with the application for permit shall be accompanied by a site plan showing to scale the size and location of new construction and exiting structures on the site, distances to lot lines, fire apparatus access roads, and fire protection water supply locations. In the case of demolition, the site plan shall show construction to be demolished and the location and size of existing structures and construction that are to remain on the site or plot. The fire code official is authorized to waive or modify the requirement for a site plan when the application for permit is for alteration or repair or when otherwise warranted.

Reason: This proposed language is very similar to the current language in Section 107.2.5 of the IBC. However, this proposal has been modified to change the title of the official and change the information needed on the site plan to make the information specific to the fire code official's specific needs. This language is needed in the IFC for fire code official to be able to effectively review the construction plans for compliance with this code and referenced documents. There are numerous provisions in the IFC that need a site plan submitted in order for the fire code official to be able to determine compliance with the code.

Cost Impact: This code change proposal will increase the cost of construction. The only increased cost associated with this proposal will be the time and effort to create a site plan. However, in a vast majority of circumstances, a site plan will already have been completed. There will be some potential cost savings due to the fire official being able to identify code compliance issues on the site plan prior to observing those conditions in the field and mandating a field change.

ADM29-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

105.4.2.2 (NEW)-ADM (IFC)-APFELBECK

ADM30 – 13

PART I - IFC: [A] 105.4.5; IWUIC: [A] 108.10;

PART II - IECC: C103.4;

PART III - IECC: R103.4

THIS IS A 3 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERICAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Anthony C. Apfelbeck, CBO, CFPS, City of Altamonte Springs Building/Fire Safety Division, representing self. (ACApfelbeck@Altamonte.org)

PART I –IFC; IWUIC

Revise the International Fire Code as follows:

IFC [A] 105.4.5 ~~Corrected documents~~ Amended construction documents. ~~Where field conditions necessitate any substantial change from the approved construction documents, the fire code official shall have the authority to require the corrected construction documents to be submitted for approval. Work shall be installed in accordance with the approved construction documents, and any changes made during construction that are not in compliance with the approved construction documents shall be resubmitted for approval as an amended set of construction documents.~~

Revise the International Wildland-Urban Interface Code as follows:

IWUIC [A] 108.10 Amended construction documents. Work shall be installed in accordance with the approved construction documents, and any changes made during construction that are not in compliance with the approved documents shall be resubmitted for approval as an amended set of construction documents.

PART II – IECC-COMMERCIAL

Revise the International Energy Conservation Code-Commercial as follows:

IECC C103.4 Amended construction documents. Work shall be installed in accordance with the approved construction documents, and any changes made during construction that are not in compliance with the approved construction documents shall be resubmitted for approval as an amended set of construction documents.

PART III – IECC-RESIDENTIAL

Revise the International Energy Conservation Code-Residential as follows:

IECC R103.4 Amended construction documents. Work shall be installed in accordance with the approved construction documents, and any changes made during construction that are not in compliance with the approved construction documents shall be resubmitted for approval as an amended set of construction documents.

Reason: The proposed language is from 107.4 in the IBC which better describes the intent of the section. This proposal correlates the IFC requirement with the IBC so users, contractors and designers are subject to the same code provision in both codes. There is no justification for differing language in the IFC as opposed to the IBC on this topic. The current language in IFC 105.4.5, to submit corrected documents, is too specific based on the sole fact of “when field conditions necessitate. . .” Clearly, this not the only reason that revised construction documents would be needed. As an example, the owner may choose to make a revision, a design

professional may value engineer a design or a contractor may change materials from the original approved construction documents. All of these items are reasons that necessitate an amended construction document submittal under the IBC but currently do not under the IFC. This proposal will match the IBC and IFC language is broad enough to addresses any condition that may cause the installation to not be in compliance with the approved construction documents.

Cost Impact: This proposal will not increase the cost of construction. The IBC already requires amended construction documents per this language.

Staff analysis: The proposed language is found in IBC Section 107.4, IEBC Section 106.4 and IRC Section R106.4.

ADM30-13

PART I – IFC; IWUIC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IECC-COMMERCIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – IECC-RESIDENTIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

105.4.5-ADM (IFC)-APFELBECK

ADM31 – 13

IFC: [A] 105.6.30 (New), [A] 105.6.39

THIS CHANGE WILL BE HEARD BY THE FIRE CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THIS COMMITTEE.

Proponent: Chad P. Lawry, Deputy Fire Marshal, Vancouver Fire Department, representing Vancouver Fire Marshal's Office (chad.lawry@cityofvancouver.us)

Revise the International Fire Code as follows:

IFC [A] 105.6 Required operational permits. *(No change to text)*

IFC [A] 105.6.30 Motor fuel-dispensing facilities. An operational permit is required for the operation of automotive, marine and fleet motor fuel-dispensing facilities.

(Renumber subsequent sections)

~~IFC [A] 105.6.39 Repair garages and motor fuel-dispensing facilities.~~ An operational permit is required for the operation of repair garages ~~and automotive, marine and fleet motor fuel-dispensing facilities.~~

Reason: This is a simple division of a combined permit into two separate permits.

Currently the permit provides a perceived "authorization" for one or both regulated activities regardless of which specific activity triggered the permit at the time of the inspection. A permitted repair garage proprietor may believe that after the inspection they are allowed to dispense fuel without permits or inspections.

For example, we had a grocery store in Vancouver Washington with fuel dispensing that used their fire code permit for fuel dispensing to justify conducting automotive repair shop in violation of their certificate of occupancy and local zoning ordinances.

Cost Impact: None

Staff analysis: The section numbering choice is to maintain the alphabetic listing under the operational permits.

ADM31-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

105.6.39-ADM (IFC)-LAWRY

ADM32 – 13

IFC: [A] 105.7.9 (New)

THIS CHANGE WILL BE HEARD BY THE FIRE CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THIS COMMITTEE.

Proponent: Adolf Zubia. Chairman IAFC Fire and Life Safety Section, representing ICC Fire Code Action Committee (azumiamia@yahoo.com)

Add new text to the International Fire Code as follows:

IFC [A] 105.7.9 Gates and barricades across fire apparatus access roads. A construction permit is required for the installation of or modification of a gate or barricade across a fire apparatus access road.

(Renumber subsequent sections)

Reason: The proposal requires that gates and barricades across fire access lanes require a construction permit. The permit is necessary to provide the fire code official the ability to review and ensure that access requirements are met.

Current code requirements for gates include method of locking/securing the gate or barricade in an approved manner, proper dimensions and opening width of the gate or barricade, and proper devices for operation of the gate or barricade.

Cost Impact: The code change proposal will increase the cost of construction if the jurisdiction requires a fee for the permit.

ADM32-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

105.7.9 (NEW)-ADM (IFC)-ZUBIA-FCAC

ADM33 – 13

IFC: [A] 105.7.11, [A] 105.7.12, [A] 105.7.13, [A] 105.7.14

THIS CHANGE WILL BE HEARD BY THE FIRE CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THIS COMMITTEE.

Proponent: Anthony C. Apfelbeck, CBO, CFPS, City of Altamonte Springs Building/Fire Safety Division, representing self. (ACApfelbeck@Altamonte.org)

Revise the International Fire Code as follows:

IFC [A] 105.7.11 LP-gas. A construction permit is required for installation of or modification to an LP-gas system. Maintenance performed in accordance with this code is not considered a modification and does not require a permit.

IFC [A] 105.7.12 Private fire hydrants. A construction permit is required for the installation or modification of private fire hydrants. Maintenance performed in accordance with this code is not considered a modification and does not require a permit.

IFC [A] 105.7.13 Solar photovoltaic power systems. A construction permit is required to install or modify solar photovoltaic power systems. Maintenance performed in accordance with this code is not considered a modification and does not require a permit.

IFC [A] 105.7.14 Spraying or dipping. A construction permit is required to install or modify a spray room, dip tank or booth. Maintenance performed in accordance with this code is not considered a modification and does not require a permit.

Reason: The above subcategories of construction permits in 105.7 are the only ones that require a permit for modifications but do not have an exception for routine maintenance in accordance with the code. Other similar sections, such as those for standpipes, in 105.7.15, fire pumps in 105.7.7 and fire alarms in 105.7.6 already provide this exception. The inclusion of the proposed text will make the sections above consistent with the other subcategory language in 105.7.

Cost Impact: The code change proposal will not increase the cost of construction.

ADM33-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

105.7.11-ADM (IFC)-APFELBECK

ADM34 – 13

IFC [A] 105.7.12 (New)

THIS CHANGE WILL BE HEARD BY THE FIRE CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THIS COMMITTEE.

Proponent: Ian Hardage, San Ramon Valley Fire Protection District (ihardage@srvfire.ca.gov) and Amber Anderson, Cosumnes CSD Fire Department (AmberAnderson@csdfire.com), representing California Fire Chiefs Association

Revise the International Fire Code as follows:

IFC [A] 105.7.12 Mechanical refrigeration. A construction permit is required for the installation of or modification to a mechanical refrigeration unit or system.

(Renumber subsequent sections)

Reason: Currently only an operational permit is required to operate a mechanical refrigeration unit or system regulated by Chapter 6. In order for these systems to be maintained and operated in compliance with Chapter 6, these units or systems must be compliant with Chapter 6 at time of installation. Not all requirements of IFC Chapter 6 are found in the IMC, ASHRAE 15, or IIAR 2. Specifically, IFC, Sections 606.5, 606.10.1.2, and 606.12.3 which provide fire code officials the opportunity to provide mechanical refrigeration system installation design criteria and or exceptions.

It is not uncommon for mechanical refrigeration systems to be installed, replaced or modified without fire department knowledge or input until they are found on an emergency call or during a facility inspection. Other systems sensitive to change such as stationary battery systems, compressed gases, hazardous materials, and flammable and combustible liquids require a construction permit as found in IFC Section 105.7. The same opportunity is needed for mechanical refrigeration systems.

Increases in construction costs would only occur if an authority having jurisdiction chose to implement a separate fee for permit. All other costs such as design drawings and construction of the system should already be included in the original design budget. We feel that any cost increase by an AHJ would likely be significantly less than any delays in construction or operation of the system when such system is determined to be non-compliant with codes and standards enforced by the fire code official at a time less than ideal for the customer such as at final inspection.

Cost Impact: The code proposal will increase the cost of construction.

ADM34-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

105.7.12 (NEW)-ADM (IFC)-ANDERSON-HARDAGE

ADM35 – 13

IFC: 105.7.13 (New)

THIS CHANGE WILL BE HEARD BY THE FIRE CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THIS COMMITTEE.

Proponent: Bob D. Morgan, P.E., Fort Worth Fire Department, representing the Fire Advisory Board to the North Central Texas Council of Governments

Revise as follows:

IFC 105.7.13 Smoke control or exhaust systems. Construction permits are required for installation of or alteration to smoke control or exhaust systems. Maintenance performed in accordance with this code is not considered a modification and does not require a permit.

(Renummer subsequent sections)

Reason: Section 105.7.17 adds construction permit requirements for smoke control and exhaust systems, which are required fire protection systems by Chapter 9 of the fire code to ensure proper design and installation of such systems.

Cost Impact: The code change proposal will not increase the cost of construction.

ADM35-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

105.7.17 (NEW)-ADM (IFC)-MORGAN

ADM36 – 13

PART I - IEBC: [A] 106.1.3 (New), [A] 109.3.7 (New), [A] 109.3.8 (New), 602.4 (New), 602.4.1 (New);

PART II - IPMC: [A] 103.6 (New), [A] 103.7 (New), [A] 106.1 (New), 305.4 (New), 305.4.1 (New)

Proponent: Darryl Morris, Aerobiologist, Midwest Aerobiology Labs, Corp., representing self (Darryl@airspores.com)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE EXISTING BUILDING COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE PROPERTY MAINTENANCE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

PART I – IEBC

Add new text to the International Existing Building Code as follows:

IEBC SECTION 106 PERMITS

IEBC [A] 106.1.3 Permit Required. A permit is required for mold remediation, mold removal, mold cleanup, or other mold-related activities.

IEBC SECTION 109 INSPECTIONS

IEBC [A] 109.3.7 Municipality Required Mold Inspections. Mold inspection by a certified mold inspector shall be required in the following situations:

1. Before the sale of any foreclosed, vacant, and bank-owned properties; or
2. Where stagnant water or visible molds are evident.

IEBC [A] 109.3.8 Post Mold Removal Verification Inspection. A post-remediation verification inspection shall be performed by a certified mold inspector. The inspection shall verify that the remediation has been properly executed and that the area has been restored to a benign indoor environment.

(Renumber subsequent sections)

IEBC SECTION 602 BUILDING ELEMENTS AND MATERIALS

IEBC 602.4 Mold Cleaning Procedures. Where mold and moisture problem are identified, physical extraction or encapsulation of mold and their spores is required.

IEBC 602.4.1 Disposal of Stagnant Water. Moldy stagnant water drained from a crawl space or basement shall be disposed of in accordance with directions from the code official.

(Renumber subsequent sections)

PART II – IPMC

Add new text to the International Property Maintenance Code as follows:

**IPMC SECTION 103
DEPARTMENT OF PROPERTY MAINTENANCE INSPECTION**

IPMC [A] 103.6 Municipality Required Mold Inspections. Mold inspection by a certified mold inspector shall be required in the following situations:

1. Before the sale of any foreclosed, vacant, and bank-owned properties; or
2. Where stagnant water or visible molds are evident.

IPMC [A] 103.7 Post Mold Removal Verification Inspection. A post-remediation verification inspection shall be performed by a certified mold inspector. The inspection shall verify that the remediation has been properly executed and that the area has been restored to a benign indoor environment.

**IPMC SECTION 106
PERMITS**

IPMC [A] 106.1 Permit Required. A permit is required for mold remediation, mold removal, mold cleanup, or other mold-related activities.

**IPMC SECTION 305
INTERIOR STRUCTURES**

IPMC 305.4 Mold Cleaning Procedures. Where mold and moisture problem are identified, physical extraction or encapsulation of mold and their spores is required.

IPMC 305.4.1 Disposal of Stagnant Water. Moldy stagnant water drained from a crawl space or basement shall be disposed of in accordance with directions from the code official.

(Renumber subsequent sections)

Reason: Currently, there are no guidelines for mold removal and post mold removal verification. An enforceable code would provide code enforcers with the opportunity to determine if an indoor environment is sufficiently benign, and does not pose any serious health risk to themselves, current or future occupants.

Cost Impact: The code change proposal will not increase the cost of construction.

ADM36-13

PART I –IEBC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IPMC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

105 (NEW)-PM-MORRIS

ADM37 – 13

IEBC: 106.2.6 (New), Chapter 16

THIS CHANGE WILL BE HEARD BY THE EXISTING BUILDING CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THIS COMMITTEE.

Proponent: Rebecca Morley, representing National Center for Healthy Housing

Add new text to the International Existing Building Code as follows:

IEBC 106.2.6 Certifications and plans where painted surfaces are disturbed. Where a Group E, I-4, R-2, R-3 or R-4 occupancy was completed prior to 1978 and repair, alteration or addition being performed will result in the disturbance of painted surfaces, the contractor shall provide to the code official one of the following:

1. Copies of EPA or state renovation firm certification, renovator certification and a plan for compliance for renovations in accordance with 40 CFR 745 requirements for renovations.
2. Documentation from an approved test in accordance with 40 CFR 745.82(a)(1) or (2) that shows that the disturbed paint contains lead that is below specified levels.

Add the following standard to IEBC Chapter 16:

EPA **U.S. Environmental Protection Agency**

40 CFR 745 **Lead-Based Paint Poisoning Prevention in Certain Residential Structures – July 1, 2012**

Reason: Section 106 covers construction documents, and the specific provisions include fire protection drawings, means of egress, exterior wall envelope and site plans. This code change proposal, 106.2.6, adds a simple requirement that permit applicants include, with the other construction documents, evidence of compliance with health-protective requirements to protect children from lead poisoning during additions, alterations, and repairs to pre-1978 homes.

The purpose of this proposed code language is to incorporate protection from lead-based paint into the Code through the requirement for construction documents. Once the Code requires permit applicants to demonstrate up front their knowledge of, and plans to follow, the federal and state renovation rule requirements, the code official will be positioned to provide important oversight and leadership in preventing lead poisoning without even leaving the office. This oversight will help level the playing field between contractors who are complying with the rule and noncompliant entities who are under-pricing and undercutting their competitors. By merely asking an applicant for the missing documents, the code official can influence entities not following the law into compliance before the work even starts. In a few cases, these entities may be unaware of the regulations. Although these regulations have been in effect since April 2010, and have been adopted by 12 states, reported non-compliance is affecting the compliant contractor and continuing the problem of lead poisoning in the US.

The proposed “plan that indicates compliance with the federal disclosure and work practice requirements” can take different forms depending on what documents the builder is already using. Some builders who work on pre-1978 homes are already using a form to track their upfront assessments and another form for recordkeeping. Anyone working in pre-1978 homes should have an EPA or state certification for their firm, along with at least one individual renovator certification that the renovator received at the end of the required one-day training course. dispersal of lead before, during, and after work performed on a pre-1978 home. These requirements are already in effect in federal and state regulation.

The plan and certifications would only be needed for a structure likely to contain lead-based paint: a pre-1978 home. As noted under the exception, the requirement is waived if paint testing proves that the paint is not lead-based paint. A rebuttable presumption of lead’s presence allows the builder to demonstrate that lead is not present and obtain exemption from the requirements. EPA-approved tests include lead-based paint inspection or risk assessment, test kit used by a certified renovator, and collection of a lead-based paint chips for laboratory analysis.

Renovation of painted surfaces is a significant source of lead dust that poisons children. The dangers associated with lead poisoning are well-known: serious health effects, detrimental effects on cognitive and behavioral development, with serious personal and social consequences that may persist throughout their lifetime.

Multiple studies have demonstrated that lead dust is the major source of lead poisoning for young children. There is no safe level of lead exposure for children; lead affects intelligence even at very low levels.^{1,2,5,8,9} Indeed, the rate of IQ loss per 1 microgram of lead per deciliter of blood (µg/dL) is greatest at lead levels below 10 µg/dL. As a child’s BLL increases from 1 to 10 µg/dL, experts estimate a child may lose anywhere from 3.9 to 7.4 IQ points, but from 10 to 30 µg/dL the decrement is 2.5 to 3.0 IQ points. Low-level chronic exposure may have an even greater effect on IQ than a single instance of very high BLL.¹⁰

Research indicates that a five-point negative shift in IQ at the population level would increase the number of children with an “extremely low” IQ by 57%, substantially increasing the cost of special education programs.³ Considering the costs to the special education system alone, one study conservatively estimated that it costs \$38,000 over three years to educate a child with lead poisoning.¹¹ Low-level exposure to lead has also been linked to factors other than IQ that can further impact educational outcomes.

EBLLs are associated with Attention Deficit Hyperactivity Disorder (ADHD) and antisocial behavior, which in turn increase the likelihood of conduct disorder, criminal activity, and drug abuse.^{1,4} Each 1 µg/dL reduction in the average preschool blood lead level saves \$13.4 billion from the direct and indirect costs of crime.¹

Several recent studies have explored the specific effects of lead on educational outcomes. These studies show a strong relationship between slightly elevated blood lead levels in young children and decreased scores on end-of-grade tests in elementary school. While similar educational effects were documented for higher blood levels decades ago,¹² the recent studies confirm that the connection between blood lead and poor educational outcomes remains true for blood levels as low as 3-4 µg/dL. A more recent study of 57,000 North Carolina children found that children with a BLL as low as 4 µg/dL at three years of age were significantly more likely to be classified as learning-disabled than children with a BLL of 1 µg/dL.⁶

The consequences of lead exposure are clear. This code change proposal seeks to reduce the risk – and level the playing field among contractors working on pre-1978 properties.

The EPA 40 CFR 745 standard is available at <http://www.gpo.gov/fdsys/pkg/CFR-2012-title40-vol32/xml/CFR-2012-title40-vol32-part745.xml>.

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Cost Impact: This code change proposal will not increase the cost of construction.

Staff analysis: A review of the standard proposed for inclusion in the code, NFPA 914 with regard to the ICC criteria for referenced standards (Section 3.6 of CP#28) will be posted on the ICC website on or before April 1, 2013.

ADM37-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

106.2.6 (NEW)-ADM (IEBC)-MORLEY

ADM38 – 13

IFC: 106.3 (New), 113.2

Proponent: Carl Baldassarra, P.E., FSFPE, Chair, ICC Code Technology Committee
(cbaldassarra@rjagroup.com)

Add new text to the International Fire Code as follows:

IFC [A] 106.3 Periodic building fire safety inspections. In addition to any other inspections required or authorized by this code, all buildings shall be subjected to periodic building fire safety inspections in compliance with the requirements of Sections 106.3.1 through 106.3.6.

Exceptions: Periodic building fire safety inspections shall not be required in any of the following:

1. Buildings classified as Group U occupancies that are associated with Group R-3 occupancies.
2. Dwelling units in Group R-2 and Group R-3 occupancies.
3. Dwelling units constructed in accordance with the *International Residential Code*.

IFC [A] 106.3.1 Scope. The scope of periodic building fire safety inspections shall include the maintenance of safeguards as required by Section 107.1; the maintenance of the means of egress, fire-resistance-rated construction, and fire protection systems; storage arrangements, including hazardous material and combustible material storage; evidence of unlawful alterations; compliance with the fire safety and evacuation plan requirements of Chapter 4; recordkeeping, housekeeping and such other requirements as determined by the *fire code official*.

IFC [A] 106.3.2 Inspecting entity. Periodic building fire safety inspections required by Section 106.3 shall be conducted by the *fire code official*.

Exception: Where the *fire code official* determines that periodic fire safety inspections shall be conducted by an *approved third party*.

IFC [A] 106.3.3 Inspector qualifications. *Fire code officials* and *approved third parties* conducting periodic building fire safety inspections required by Section 106.3 shall, at a minimum, be certified through a recognized fire inspector certification program.

Exception: Where the building is subject to a building fire safety inspection program approved by the *fire code official*.

IFC [A] 106.3.4 Frequency of inspection. The minimum required frequency of periodic building fire safety inspections shall be determined by the *fire code official* based upon the *fire code official's* assessment of the risk or once every 5 years.

IFC [A] 106.3.5 Filings. Inspection reports for periodic building fire safety inspections conducted by an *approved third party* in accordance with Section 106.3.2 shall be submitted to the *fire code official* in accordance with the frequency of inspection schedule established by the *fire code official* in accordance with Section 106.3.4. The *fire code official* has the authority to prescribe the form and format of such report.

IFC [A] 106.3.6 Not a limitation on inspection authority. Periodic building fire safety inspections required by Section 106.3 shall not be construed to limit the *fire code official's* inspection authority pursuant to other sections of this code.

(Renumber subsequent sections)

Revise the International Fire Code as follows:

IFC [A] SECTION 113 FEES

IFC [A] 113.2 Schedule of permit fees. A fee for each permit, and fees associated with establishing a program to implement the requirement for periodic building fire safety inspections in accordance with Section 106.3, shall be paid as required, in accordance with the schedule as established by the applicable governing authority.

Reason: This proposed change is a result of the CTC's investigation of the area of study entitled "NIST Charleston Sofa Store Fire Recommendations". The scope of the activity is noted as:

Review the NIST and other investigative reports on the fire that occurred on the evening of June 18, 2007 in the Sofa Super Store in Charleston, South Carolina to identify issues that can be addressed by the International Codes.

In connection with their investigation, NIST analyzed the fire ground, consulted with other experts, and performed computer simulations of fire growth alternatives. Based on these analyses, NIST concluded that the following sequence of events is likely to have occurred. A fire began in packing material and discarded furniture outside an enclosed loading dock area. The fire spread to the loading dock, then into both the retail showroom and warehouse spaces. During the early stages of the fire in the two latter locations, the fire spread was slowed by the limited supply of fresh air. This under-ventilation led to generation of a large mass of pyrolyzed and only partially oxidized effluent. The smoke and combustible gases flowed into the interstitial space below the roof and above the suspended ceiling of the main retail showroom. As this space filled with unburned fuel, the hot smoke also seeped through the suspended ceiling into the main showroom and formed a hot smoke layer below the suspended ceiling. Up to this time, the extent of fire spread into the interstitial space was not visible to fire fighters in the store. If the fire spread had been visible to the fire fighters in the store, it would have provided a direct indication of a fire hazard in the showroom. Meanwhile, the fire at the back of the main showroom and the gas mixture below the suspended ceiling were both still fuel rich. When the front windows were broken out or vented, the inflow of additional air allowed the heat release rate of the fire to intensify rapidly and added air to the layer of unburned fuel below the suspended ceiling enabling the ignition of the unburned fuel/air mixture. The fire swept from the rear to the front of the main showroom extremely quickly, and then into the west and east showrooms. Nine fire fighters were killed in the Sofa Super Store fire. NIST developed eleven recommendations to help mitigate such future losses.

Recommendation 2 of the NIST report reads as follows:

"Model Building and Fire Code Enforcement: NIST recommends that all state and local jurisdictions implement aggressive and effective fire inspection and enforcement programs that address:

- a) all aspects of the building and fire codes;
- b) adequate documentation of building permits and alterations;
- c) means of fire protection systems inspection and detailed recordkeeping;
- d) frequency and rigor of fire inspections, including follow-up and auditing procedures; and
- e) guidelines for remedial requirements when inspections identify deviations from code provisions."

Following a review of recommendation 2 of the NIST report, a new section, 106.3, is proposed.

Section 106.3 requires that all buildings, with certain exceptions as listed in the section, be subjected to periodic building fire safety inspections in accordance with the requirements of Sections 106.3.1 through 106.3.6. The exception includes dwelling units in Group R-2 and Group R-3 occupancies, Group U occupancies associated with Group R-3 occupancies, and dwelling units constructed in accordance with the International Residential Code.

The purpose of requiring periodic building fire safety inspections is to help ensure that buildings are operated and maintained in accordance with the intent of the International Fire Code, as set forth in Section 101.3. There is little benefit to having an International Fire Code that includes periodic inspection, testing and maintenance requirements intended to ensure that a building is maintained in a safe condition unless there is a mechanism inherent in such code that provides the fire code official with reasonable assurances that they are being complied with. The 18th century phrase "a chain is only as strong as its weakest link" appropriately describes the reality of Building and Fire Codes being adopted in a jurisdiction, but not comprehensively enforced.

The NIST report offers several other recommendations that are not addressed in this proposal. The CTC has investigated all of the NIST recommendations and has, as deemed appropriate, submitted separate code changes in response. These separate code change proposals address the following: fire inspector, and fire plan examiner qualifications and certifications; detailed recordkeeping requirements; and required automatic sprinkler protection for existing Group F-1, M and S-1 occupancies that manufacture, store or sell upholstered furniture or mattresses that undergoing an Alteration 3 renovation. It is these proposals, coupled with the proposed requirement for a periodic building fire safety inspection, which will help fire code officials in their efforts to ensure that all buildings, not just buildings storing or selling upholstered furniture and mattresses, are constructed, operated and maintained in a manner that provides a prudent level of fire safety for building occupants and firefighters. The importance of fire prevention in the overall safety to building occupants and the protection of property cannot be overemphasized. It is interesting to note that the report "America Burning", a report published by the Federal Government in the early 1970's, recommended a "balance" of 50/50 between public fire department expenditures on suppression and fire prevention. This report can be found at <http://www.usfa.fema.gov/downloads/pdf/publications/fa-264.pdf>.

Section 106.3.1 defines the scope of periodic building fire safety inspections to include the maintenance of means of egress, fire-resistant-rated construction, and fire protection systems; evidence of unlawful alterations; compliance with the fire safety and evacuation plan required by Chapter 4 of the Fire Code; recordkeeping, housekeeping and such other requirements as determined by the fire code official.

Section 106.3.2 requires that periodic building fire safety inspections be conducted by the fire code official unless the fire code official determines that the inspection shall be conducted by an approved third party.

Section 106.3.2 acknowledges that the primary and preferred entity authorized to conduct periodic building fire safety inspections is the fire code official, but recognizes that certain jurisdictions may choose to require such inspection to be conducted by an approved third party. This section places no duty or liability on the fire code official to conduct periodic building fire safety inspections, it merely identifies them as the primary and preferred entity to do so.

Section 106.3.3 establishes qualifications for the inspector conducting periodic building fire safety inspections. Such inspector qualification requirement would not apply to buildings that are subjected to a building fire safety inspection program when approved by the fire code official. This section requires that inspectors conducting such inspections, at a minimum, be certified through a recognized fire inspector certification program. If the fire code officials choose to conduct periodic building fire safety inspections, they would be required to have such inspections conducted by individuals that meet this certification requirement. However, as previously stated, the fire code official has no duty or liability to conduct such inspections and therefore no obligation to employ certified inspectors. Approved third party individuals conducting such inspections, except as noted above, would be required to comply with this certification requirement. The section authorizes the fire code official to accept any recognized certification program for such fire inspectors.

Section 106.3.4 requires that the minimum frequency of periodic building fire safety inspections be determined by the fire code official based upon the fire code official's assessment of the risk or once every 5 years. As stated previously, certain buildings, as identified in Section 106.3, would not require periodic building fire safety inspections. For those buildings requiring periodic building fire safety inspections, 5 years was chosen as the maximum time to be allowed between such inspections, unless the fire code official's assessment of the building risk determines that a shorter or longer period should apply.

A building risk assessment would require that many factors be considered on a case-by-case basis, including but not limited to consideration of the building's occupancy Group; occupant load; building height and floor area; construction type and features; fire protection systems; layout and use of the building; size, type and configuration of the fuel load; vulnerability of the building occupants; history and severity of noncompliance with fire safety requirements; incidence of fire and other considerations relevant to the fire risk presented to building occupants and firefighters by such building.

Section 106.3.5 requires that inspection reports for periodic building fire safety inspections conducted by an approved third party be submitted to the fire code official in accordance with the frequency of inspection schedule established by the fire code official. This requirement would help the fire code official identify those buildings not in compliance with the periodic building fire safety inspection requirement. Fire code officials can then take appropriate enforcement action against such building owners to achieve compliance. The proposed change would also allow the fire code official to prescribe the form and format of such report, thereby facilitating its review.

Section 106.3.6 makes it clear that the periodic building fire safety inspection required by Section 106.3 does not limit the fire code official's authority to inspect a building under other provisions of the International Fire Code, including Section 104.3.

The proposed change to Section 113.2 would authorize the fire code official to establish fees associated with implementing a periodic building fire safety inspection program. Jurisdictions that act on this authority would help provide themselves with the economic resource they require to administer the program.

This proposal is submitted by the ICC Code Technology Committee. The ICC Board established the ICC Code Technology Committee (CTC) as the venue to discuss contemporary code issues in a committee setting which provides the necessary time and flexibility to allow for full participation and input by any interested party. The code issues are assigned to the CTC by the ICC Board as "areas of study". Information on the CTC, including: meeting agendas; minutes; reports; resource documents; presentations; and all other materials developed in conjunction with the CTC effort can be downloaded from the following website:

<http://www.iccsafe.org/cs/CTC/Pages/default.aspx>. Since its inception in April/2005, the CTC has held twenty-five meetings - all open to the public. In 2012, three of the 25 face-to-face meetings were held. In addition to the CTC meetings, the CTC established Study Groups (SG) of interested parties for each of the areas of study. These SG's are responsible for reviewing the available information and making recommendations to the CTC. All totaled, the SG's held over 70 conference calls in 2012.

Cost Impact: This code change proposal will not increase the cost of construction.

ADM38-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

106.3 (NEW)-ADM (IFC)-BALDASSARRA-CTC

ADM39 – 13

IFC: [A] 106.5 (New)

Proponent: Anthony C. Apfelbeck, CBO, CFPS, City of Altamonte Springs Building/Fire Safety Division, representing self. (ACApfelbeck@Altamonte.org)

Add new text to the International Fire Code as follows:

IFC [A] 106.5 Occupancy prohibited before approval. No building or structure shall be used or occupied, and no change in the existing occupancy classification of a building or structure or portion thereof shall be made until the fire code official has approved the use or occupancy.

Reason: This language is consistent with the language in the IBC section 111.1. This language is also similar to the language that currently exists in IFC 105.3.3 prohibiting occupancy prior to permit approval. However, this proposed code change clarifies that the fire code official has an important role in the approval of buildings prior to occupancy. Currently, the code does not clearly require the approval of the fire code official prior to occupancy. Ensuring compliance with this code, before the building is occupied, is of utmost importance in correcting dangerous conditions and ensuring fire protection systems are operational.

From a customer service standpoint, this language is also imperative. The owner, contractor and tenant should not be placed in a situation where a Certificate of Occupancy is issued, the building occupied and the fire code official comes along at a later date and requires corrections. There should be some basic assurance to the involved parties that occupancy of the building is tied to fire code official approval and fire code compliance. It is important to note that this language does not require an inspection unless the fire code official was of the opinion that an inspection should occur prior to occupancy.

Cost Impact: This code change proposal will not increase the cost of construction. Earlier intervention by the fire official in the occupancy approval process may actually reduce construction costs as code compliance issues should be identified earlier on in the job.

Staff analysis: This language is also found in IBC Section 111.1 and IEBC Section 110.1.

ADM39-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

106.5 (NEW)-ADM (IFC)-APFELBECK

ADM40 – 13

PART I - IBC: [A] 107.1, IEBC: [A] 106.1, IWUIC: [A] 108.1;

PART II - IECC: C103.1;

PART III - IECC: R103.1;

PART IV - IRC: R106.1

THIS IS A 4 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Todd Letterman, Riverside County Fire Department, and Elley Klausbruckner representing self

PART I – IBC; IEBC; IWUIC

Revise the International Building Code as follows:

IBC [A] 107.1 General. Submittal documents consisting of *construction documents*, statement of *special inspections*, geotechnical report, technical reports and other data shall be submitted in two or more sets with each *permit* application. The *construction documents* and technical reports shall be prepared by a *registered design professional* where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the *building official* is authorized to require additional *construction documents* to be prepared by a *registered design professional*.

Exception: The *building official* is authorized to waive the submission of *construction documents* and other data not required to be prepared by a *registered design professional* if it is found that the nature of the work applied for is such that review of *construction documents* is not necessary to obtain compliance with this code.

Revise the International Existing Building Code as follows:

IEBC [A] 106.1 General. Submittal documents consisting of construction documents, special inspection and structural observation programs, investigation and evaluation reports, technical reports and other data shall be submitted in two or more sets with each application for a permit. The construction documents and technical reports shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the *code official* is authorized to require additional construction documents to be prepared by a registered design professional.

Exception: The *code official* is authorized to waive the submission of construction documents and other data not required to be prepared by a registered design professional if it is found that the nature of the work applied for is such that reviewing of construction documents is not necessary to obtain compliance with this code.

Revise the International Wildland-Urban Interface Code as follows:

IWUIC [A] 108.1 General. Plans, engineering calculations, diagrams, technical reports and other data shall be submitted in at least two sets with each application for a permit. The construction documents and technical reports shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the code official is authorized to require additional documents to be prepared by a registered design professional.

Exception: The code official is authorized to waive the requirements for submission of plans, calculations, construction inspection requirements and other data, if it is found that the nature of the work applied for is such that reviewing of plans is not necessary to obtain compliance with this code.

PART II – IECC-COMMERCIAL

Revise the International Energy Conservation Code-Commercial as follows:

IECC C103.1 General. Construction documents, technical reports and other supporting data shall be submitted in one or more sets with each application for a permit. The construction documents and technical reports shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the *code official* is authorized to require necessary construction documents to be prepared by a registered design professional.

Exception: The *code official* is authorized to waive the requirements for construction documents or other supporting data if the *code official* determines they are not necessary to confirm compliance with this code.

PART III – IECC-RESIDENTIAL

Revise the International Energy Conservation Code-Residential as follows:

IECC R103.1 General. Construction documents, technical reports and other supporting data shall be submitted in one or more sets with each application for a permit. The construction documents and technical reports shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the *code official* is authorized to require necessary construction documents to be prepared by a registered design professional.

Exception: The *code official* is authorized to waive the requirements for construction documents or other supporting data if the *code official* determines they are not necessary to confirm compliance with this code.

PART IV – IRC

Revise the International Residential Code as follows:

IRC R106.1 Submittal documents. Submittal documents consisting of *construction documents*, technical reports and other data shall be submitted in two or more sets with each application for a *permit*. The *construction documents and technical reports* shall be prepared by a registered *design professional* where required by the statutes of the *jurisdiction* in which the project is to be constructed. Where special conditions exist, the *building official* is authorized to require additional *construction documents* to be prepared by a registered *design professional*.

Exception: The *building official* is authorized to waive the submission of *construction documents* and other data not required to be prepared by a registered *design professional* if it is found that the nature of the work applied for is such that reviewing of *construction documents* is not necessary to obtain compliance with this code.

Reason: Building construction and systems such as mechanical, etc. have to be designed by a professional engineer. The report addressing the requirements for some of these systems is the basis of their design. It is illogical to require the design to be prepared by a registered design professional but not require the report addressing the basis of the design be prepared by a registered design professional. Additionally if there are intentional acts of omission [or misleading information] in the report prepared by a registered design professional, the authority having jurisdiction can submit a complaint to the state board and the registered design professional can face disciplinary action [from fines, loss of reputation, etc. to having their license revoked]. There are no major repercussions to the preparer of these reports if they are not registered design professionals or if the Jurisdiction or

state does not require educational or licensing requirements from the preparer. The added language will lend added support to the jurisdiction when a technical report is required if chosen to adopt this section as a local or state amendment.

NOTE: CBC Definition of Registered Design Professional - An individual who is registered or licensed to practice their respective design profession as defined by the statutory requirements of the professional registration laws of the state or jurisdiction in which the project is to be constructed.

Additional Verbal Reason: The cities and jurisdictions that prefer a registered design professional prepare these technical reports are facing opposition for political reasons since the language is not specific. This will also help reduce liability from the cities and jurisdictions since registered design professionals typically carry liability insurance.

Cost Impact: None

ADM40-13

PART I – IBC; IEBC; IWUIC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IECC-COMMERCIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – IECC-RESIDENTIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART IV – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

107.1-ADM (IBC)-LETTERMAN

ADM41 – 13

PART I - IBC: [A] 107.1, IEBC:[A] 106.1, IWUIC:[A] 108.1;

PART II – IECC C103.1;

PART III – IECC R103.1;

PART IV – IRC R106.1

THIS IS A 4 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Richard B. Crawford, Mercer Sign Consultants, representing the United States Sign Council (rcmercer@verizon.net or rick@ussc.org)

PART I – IBC; IEBC; IWUIC

Revise the International Building Code as follows:

IBC [A] 107.1 General. Submittal documents consisting of *construction documents*, statement of *special inspections*, geotechnical report and other data shall be submitted in two or more sets with each *permit* application. The *construction documents* shall be prepared by a *registered design professional* only where expressly required in legislation enacted by the statutes of the jurisdiction in which the project is to be constructed for the type of construction being proposed. Where special conditions exist, the *building official* is authorized to require additional *construction documents* to be prepared by a *registered design professional*.

Exception: The *building official* is authorized to waive the submission of *construction documents* and other data not required to be prepared by a *registered design professional* if it is found that the nature of the work applied for is such that review of *construction documents, including construction drawings prepared by a registered design professional,* is not necessary to obtain compliance with this code.

Revise the International Existing Building Code as follows:

IEBC [A] 106.1 General. Submittal documents consisting of construction documents, special inspection and structural observation programs, investigation and evaluation reports, and other data shall be submitted in two or more sets with each application for a permit. The construction documents shall be prepared by a registered design professional only where expressly required in legislation enacted by the statutes of the jurisdiction in which the project is to be constructed for the type of construction being proposed. Where special conditions exist, the *code official* is authorized to require additional construction documents to be prepared by a registered design professional.

Exception: The *code official* is authorized to waive the submission of construction documents and other data not required to be prepared by a registered design professional if it is found that the nature of the work applied for is such that reviewing of construction documents, including construction drawings prepared by a registered design professional, is not necessary to obtain compliance with this code.

Revise the International Wildland-Urban Interface Code as follows:

IWUIC [A] 108.1 General. Plans, engineering calculations, diagrams and other data shall be submitted in at least two sets with each application for a permit. The construction documents shall be prepared by a registered design professional only where expressly required in legislation enacted by

~~the statutes of the jurisdiction in which the project is to be constructed for the type of construction being proposed.~~ Where special conditions exist, the code official is authorized to require additional documents to be prepared by a registered design professional.

Exception: The code official is authorized to waive submission of plans, calculations, construction inspection requirements and other data, if it is found that the nature of the work applied for is such that reviewing of plans, including construction drawings prepared by a registered design professional, is not necessary to obtain compliance with this code.

PART II – IECC-COMMERCIAL

Revise the International Energy Conservation Code-Commercial as follows:

IECC C103.1 General. Construction documents and other supporting data shall be submitted in one or more sets with each application for a permit. The construction documents shall be prepared by a registered design professional only where expressly required in legislation enacted by the statutes of the jurisdiction in which the project is to be constructed for the type of construction being proposed. Where special conditions exist, the *code official* is authorized to require necessary construction documents to be prepared by a registered design professional.

Exception: The *code official* is authorized to waive the requirements for construction documents or other supporting data, including construction drawings prepared by a registered design professional, if the *code official* determines they are not necessary to confirm compliance with this code.

PART III – IECC-RESIDENTIAL

Revise the International Energy Conservation Code-Residential as follows:

IECC R103.1 General. Construction documents and other supporting data shall be submitted in one or more sets with each application for a permit. The construction documents shall be prepared by a registered design professional only where expressly required in legislation enacted by the statutes of the jurisdiction in which the project is to be constructed for the type of construction being proposed. Where special conditions exist, the *code official* is authorized to require necessary construction documents to be prepared by a registered design professional.

Exception: The *code official* is authorized to waive the requirements for construction documents or other supporting data, including construction drawings prepared by a registered design professional, if the *code official* determines they are not necessary to confirm compliance with this code.

PART IV – IRC

Revise the International Residential Code as follows:

IRC R106.1 Submittal documents. Submittal documents consisting of *construction documents*, and other data shall be submitted in two or more sets with each application for a *permit*. The *construction documents* shall be prepared by a registered *design professional* only where expressly required in legislation enacted by the statutes of the jurisdiction in which the project is to be constructed for the type of construction being proposed. Where special conditions exist, the *building official* is authorized to require additional *construction documents* to be prepared by a registered *design professional*.

Exception: The *building official* is authorized to waive the submission of *construction documents* and other data not required to be prepared by a registered *design professional* if it is found that the nature of the work applied for is such that reviewing of *construction documents, including construction drawings prepared by a registered design professional,* is not necessary to obtain compliance with this code.

Reason: A possible unforeseen consequence of the language in Section 106.1, over time, has been that jurisdictions are routinely demanding sealed construction documents (by a licensed engineer generally) for all types of work, including small and minor projects, as long as a construction or building permit is required for the work. Sealed plans are being required for repetitive, ordinary and minor construction projects.

Additional guidance for adopting jurisdictions and building officials would helpful in determining when sealed plans are required, and when they can be deemed unnecessary and will add to the cost of construction without a corresponding benefit to the public.

Although Section 106.1 contains an exception to the requirement that construction documents be sealed, building officials may be hesitant to waive the requirement without firm guidance in the Code itself. The suggested revision will permit a jurisdiction to expressly decide which types of construction projects will require documents prepared by a registered design professional, and which will not. Each jurisdiction can therefore tailor the requirements to local needs and concerns. It will also help avoid the potential waste of resources that may be created by a one-size-fits-all regulatory requirement.

The suggested revisions allows for more reasonable and rational code application in the jurisdictions that adopt the IBC. Not every project requires a sealed plan to further the goals of public safety.

Cost Impact: The code change proposal will not increase the cost of construction.

ADM41-13

PART I – IBC; IEBC; IWUIC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IECC-COMMERCIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – IECC-RESIDENTIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART IV – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

106.1-ADM (IBC)-CRAWFORD

ADM42 – 13

IBC: [A] 107.1.1 (New)

Proponent: Philip Brazil, P.E., S.E., Senior Structural Engineer, Reid Middleton, Inc., representing self

Add new text to the International Building Code as follows:

IBC [A] 107.1.1 Structural reports and certificates. Structural reports and certificates shall be submitted by the owner or the owner's authorized agent to the *building official* in accordance with Section 1704.5.

Reason: The purpose for this proposal is for correlation with a proposal that adds a new Section 1704.5 specifying submittals to the building official, which are typically related to the structural design of the building or structure, and are typically submitted during construction.

Note that separate proposals:

1. Transfer the requirements of Section 1705.12.1 to new Section 1704.5;
2. Add additional requirements for submittals that are related to structural steel;
3. Add additional requirements for submittals that are related to the welding of concrete reinforcement and anchor bolts;
4. Add additional requirements for submittals that are related to masonry; and
5. Change "the owner" to "the owner or the owner's authorized agent".

Cost Impact: The code change proposal will not increase the cost of construction.

ADM42-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

107.1.1 (NEW)-ADM (IBC)-BRAZIL

ADM43 – 13

PART I - IFC: [A] 107.2.1, [A] 107.3 (New),

PART II – IFC: 406.2, 408.5.2, 408.10.2, 507.5.2, 507.5.3, 604.3.2, 604.5.1.1, 604.5.2.1, 606.6, 606.15, 609.3.3.3, 703.1, 703.4, 901.6.2, 901.6.2.1, 904.5, 904.6, 904.7, 904.8, 904.9, 904.10, 907.8, 907.8.2, 907.8.5, 909.20.2, 912.6, 913.5, 913.5.2, 913.5.3, 1030.8, 2006.5.3.2.2, 2006.6.4, 2305.2.1, 2306.2.1.1, 2808.6, 5003.2.9, 5003.3.1.1, 5603.2, 5704.2.11.5.1, 5706.5.4.5, 5806.4.8.2; IBC [F] 904.5, 904.6, 904.7, 904.8, 904.9, 904.10

THIS IS A 2 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE. PART II WILL BE HEARD BY THE FIRE CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Carl Baldassarra, P.E., FSFPE, Chair, ICC Code Technology Committee
(cbaldassarra@rjagroup.com)

PART I – Administration

Revise the International Fire Code as follows:

IFC [A] 107.2 Testing and operation. Equipment requiring periodic testing or operation to ensure maintenance shall be tested or operated as specified in this code.

~~**IFC [A] 107.2.1 Testing and inspection records.** Required test and inspection records shall be available to the *fire code official* at all times or such records as the *fire code official* designates shall be filed with the *fire code official*.~~

IFC [A] ~~107.2.2~~ 107.2.1 Reinspection and testing. *(No change to current text)*

IFC [A] 107.3 Recordkeeping. A record of the periodic inspections, tests, servicing, and other operations and maintenance shall be maintained on the premises or other *approved* location for a minimum of 3 years, or the interval where a different period of time is specified in this code or referenced standards. Records shall be made available for inspection by the *fire code official*, and a copy of the records shall be provided to the *fire code official* upon request.

The *fire code official* has the authority to prescribe the form and format of such recordkeeping. The *fire code official* has the authority to require that certain required records be filed with the *fire code official*.

(Renumber subsequent sections)

PART II – IFC

Revise the International Fire Code as follows:

IFC 406.2 Frequency. Employees shall receive training in the contents of fire safety and evacuation plans and their duties as part of new employee orientation and at least annually thereafter. Records of training shall be ~~kept and made available to the *fire code official* upon request~~ maintained.

IFC 408.5.2 Staff training. Employees shall be periodically instructed and kept informed of their duties and responsibilities under the plan. Records of instruction shall be maintained. Such instruction shall be reviewed by the staff at least every two months. A copy of the plan shall be readily available at all times within the facility.

IFC 408.10.2 Staff training. Employees shall be periodically instructed and kept informed of their duties and responsibilities under the plan. Records of instruction shall be maintained. Such instruction shall be reviewed by the staff at least every two months. A copy of the plan shall be readily available at all times within the facility.

Revise the International Fire Code as follows:

IFC 507.5.2 Inspection, testing and maintenance. Fire hydrant systems shall be subject to periodic tests as required by the *fire code official*. Fire hydrant systems shall be maintained in an operative condition at all times and shall be repaired where defective. Additions, repairs, *alterations* and servicing shall comply with *approved* standards. Records of tests and required maintenance shall be maintained.

IFC 507.5.3 Private fire service mains and water tanks. Private fire service mains and water tanks shall be periodically inspected, tested and maintained in accordance with NFPA 25 at the following intervals:

1. Private fire hydrants (all types): Inspection annually and after each operation; flow test and maintenance annually.
2. Fire service main piping: Inspection of exposed, annually; flow test every 5 years.
3. Fire service main piping strainers: Inspection and maintenance after each use.

Records of inspections, testing and maintenance shall be maintained.

Revise the International Fire Code as follows:

IFC 604.3.2 ~~Written record~~ Records. ~~Written records~~ Records of the inspection, testing and maintenance of emergency and standby power systems shall include the date of service, name of the servicing technician, a summary of conditions noted and a detailed description of any conditions requiring correction and what corrective action was taken. Such records shall be ~~kept on the premises served by the emergency or standby power system and be available for inspection by the fire code official~~ maintained.

IFC 604.5.1.1 Activation test record. ~~Records of tests shall be maintained on the premises for a minimum of three years and submitted to the fire code official upon request.~~ The record shall include the location of the emergency lighting tested, whether the unit passed or failed, the date of the test, and the person completing the test.

IFC 604.5.2.1 Power test record. ~~Records of tests shall be maintained on the premises for a minimum of three years and submitted to the fire code official upon request.~~ The record shall include the location of the emergency lighting tested, whether the unit passed or failed, the date of the test, and the person completing the test.

IFC 606.6 Testing of equipment. Refrigeration equipment and systems having a refrigerant circuit containing more than 220 pounds (100 kg) of Group A1 or 30 pounds (14 kg) of any other group refrigerant shall be subject to periodic testing in accordance with Section 606.6.1. ~~A written record of required testing~~ Records of tests shall be maintained on the premises. Tests of emergency devices or systems required by this chapter shall be conducted by persons trained and qualified in refrigeration systems.

IFC 606.15 Records. ~~A written record shall be kept of refrigerant quantities brought into and removed from the premises shall be maintained.~~ Such records shall be available to the fire code official.

IFC 609.3.3.3 Records. Records for inspections shall state the individual and company performing the inspection, a description of the inspection and when the inspection took place. Records for cleanings shall state the individual and company performing the cleaning and when the cleaning took place. Such records shall be completed after each inspection or cleaning, and maintained on the premises for a minimum of three years and be copied to the fire code official upon request.

Revise the International Fire Code as follows:

IFC 703.1 Maintenance. The required *fire-resistance rating* of fire-resistance-rated construction (including walls, firestops, shaft enclosures, partitions, *smoke barriers*, floors, fire-resistive coatings and sprayed fire-resistant materials applied to structural members and fire-resistant joint systems) shall be maintained. Such elements shall be visually inspected by the *owner* annually and properly repaired, restored or replaced when damaged, altered, breached or penetrated. Records of inspections and repairs shall be maintained. Where concealed, such elements shall not be required to be visually inspected by the *owner* unless the concealed space is accessible by the removal or movement of a panel, access door, ceiling tile or similar movable entry to the space. Openings made therein for the passage of pipes, electrical conduit, wires, ducts, air transfer openings and holes made for any reason shall be protected with *approved* methods capable of resisting the passage of smoke and fire. Openings through fire-resistance-rated assemblies shall be protected by self- or automatic- closing doors of *approved* construction meeting the fire protection requirements for the assembly.

IFC 703.4 Testing. Horizontal and vertical sliding and rolling fire doors shall be inspected and tested annually to confirm proper operation and full closure. ~~A written record~~ Records of inspections and testing shall be maintained and be available to the fire code official.

Revise the International Fire Code as follows:

IFC 901.6.2 Records. Records of all system inspections, tests and maintenance required by the referenced standards shall be maintained ~~on the premises for a minimum of three years and shall be copied to the fire code official upon request.~~

IFC 901.6.2.1 Records information. Initial records shall include the name of the installation contractor, type of components installed, manufacturer of the components, location and number of components installed per floor. Records shall also include the manufacturers' operation and maintenance instruction manuals. Such records shall be maintained ~~on the premises~~ for the life of the installation.

IFC 904.5 (IBC [F] 904.5) Wet-chemical systems. Wet-chemical extinguishing systems shall be installed, maintained, periodically inspected and tested in accordance with NFPA 17A and their listing. Records of inspections and testing shall be maintained.

IFC 904.6 (IBC [F] 904.6) Dry-chemical systems. Dry-chemical extinguishing systems shall be installed, maintained, periodically inspected and tested in accordance with NFPA 17 and their listing. Records of inspections and testing shall be maintained.

IFC 904.7 (IBC [F] 904.7) Foam systems. Foam-extinguishing systems shall be installed, maintained, periodically inspected and tested in accordance with NFPA 11 and NFPA 16 and their listing. Records of inspections and testing shall be maintained.

IFC 904.8 (IBC [F] 904.8) Carbon dioxide systems. Carbon dioxide extinguishing systems shall be installed, maintained, periodically inspected and tested in accordance with NFPA 12 and their listing. Records of inspections and testing shall be maintained.

IFC 904.9 (IBC [F] 904.9) Halon systems. Halogenated extinguishing systems shall be installed, maintained, periodically inspected and tested in accordance with NFPA 12A and their listing. Records of inspections and testing shall be maintained.

IFC 904.10 (IBC [F] 904.10) Clean-agent systems. Clean-agent fire-extinguishing systems shall be installed, maintained, periodically inspected and tested in accordance with NFPA 2001 and their listing. Records of inspections and testing shall be maintained.

IFC 907.8 Inspection, testing and maintenance. The maintenance and testing schedules and procedures for fire alarm and fire detection systems shall be in accordance with Sections 907.8.1 through 907.8.5 and NFPA 72. Records of inspection, testing and maintenance shall be maintained.

IFC 907.8.2 Testing. Testing shall be performed in accordance with the schedules in NFPA 72 or more frequently where required by the *fire code official*. Records of testing shall be maintained.

Exception: Devices or equipment that are inaccessible for safety considerations shall be tested during scheduled shutdowns where *approved* by the *fire code official*, but not less than every 18 months.

IFC 907.8.5 ~~Inspection, testing and maintenance~~ Maintenance, inspection and testing. The building owner shall be responsible to maintain the fire and life safety systems in an operable condition at all times. Service personnel shall meet the qualification requirements of NFPA 72 for ~~maintaining, inspecting and testing~~ inspection, testing and maintenance of such systems. ~~A written record~~ Records of inspection, testing and maintenance shall be maintained ~~and shall be made available to the fire code official.~~

IFC 909.20.2 ~~Written record~~ Records. ~~A written record~~ Records of smoke control system testing and maintenance shall be maintained ~~on the premises~~. The ~~written~~ record shall include the date of the maintenance, identification of the servicing personnel and notification of any unsatisfactory condition and the corrective action taken, including parts replaced.

IFC 912.6 Inspection, testing and maintenance. All fire department connections shall be periodically inspected, tested and maintained in accordance with NFPA 25. Records of inspection, testing and maintenance shall be maintained.

IFC 913.5 Inspection, testing and maintenance. Fire pumps shall be inspected, tested and maintained in accordance with the requirements of this section and NFPA 25. Records of inspection, testing and maintenance shall be maintained.

IFC 913.5.2 Generator sets. Engine generator sets supplying emergency or standby power to fire pump assemblies shall be periodically tested in accordance with NFPA 110. Records of testing shall be maintained.

IFC 913.5.3 Transfer switches. Automatic transfer switches shall be periodically tested in accordance with NFPA 110. Records of testing shall be maintained.

Revise the International Fire Code as follows:

IFC 1030.8 Inspection, testing and maintenance. All two-way communication systems for *areas of refuge* shall be inspected and tested on a yearly basis to verify that all components are operational. When required, the tests shall be conducted in the presence of the *fire code official*. Records of inspection, testing and maintenance shall be maintained.

Revise the International Fire Code as follows:

IFC 2006.5.3.2.2 ~~Documentation~~ Records. The airport fueling-system operator shall maintain records of all training administered to its employees. ~~These records shall be made available to the fire code official on request.~~

IFC 2006.6.4 Testing. Emergency fuel shutoff devices shall be operationally tested at intervals not exceeding three months. The fueling-system operator shall maintain ~~suitable~~ testing records ~~of these tests.~~

Revise the International Fire Code as follows:

IFC 2305.2.1 Inspections. Flammable and *combustible liquid* fuel-dispensing and containment equipment shall be periodically inspected where required by the *fire code official* to verify that ~~it~~ the equipment is in proper working order and not subject to leakage. Records of inspections shall be maintained.

IFC 2306.2.1.1 Inventory control for underground tanks. Accurate daily inventory records shall be maintained and reconciled on underground fuel storage tanks for indication of possible leakage from tanks and piping. The records ~~shall be kept at the premises or made available for inspection by the fire code official within 24 hours of a written or verbal request~~ and shall include records for each product showing daily reconciliation between sales, use, receipts and inventory on hand. Where there is more than one system consisting of tanks serving separate pumps or dispensers for a product, the reconciliation shall be ascertained separately for each tank system. A consistent or accidental loss of product shall be immediately reported to the *fire code official*.

Revise the International Fire Code as follows:

IFC 2808.6 Static pile protection. Static piles shall be monitored by an *approved* means to measure temperatures within the static piles. Internal pile temperatures shall be monitored and recorded weekly. Such records shall be kept on file at the facility and made available for inspection maintained. An operational plan indicating procedures and schedules for the inspection, monitoring and restricting of excessive internal temperatures in static piles shall be submitted to the *fire code official* for review and approval.

Revise the International Fire Code as follows:

IFC 5003.2.9 Testing. The equipment, devices and systems listed in Section 5003.2.9.1 shall be tested at the time of installation and at one of the intervals listed in Section 5003.2.9.2. ~~Written~~ Records of the tests conducted or maintenance performed shall be maintained.

Exceptions:

1 through 5 (*No change to current text*)

IFC 5003.3.1.1 Records. ~~Accurate records shall be kept~~ Records of the unauthorized discharge of hazardous materials by the permittee shall be maintained.

Revise the International Fire Code as follows:

IFC 5603.2 Transaction record. The permittee shall maintain a record of all transactions involving receipt, removal, use or disposal of *explosive materials*. ~~Such a record~~ records shall be maintained for a period of five years, ~~and shall be furnished to the fire code official for inspection upon request.~~

Exception: Where only Division 1.4G (consumer fireworks) are handled, records need only be maintained for a period of three years.

Revise the International Fire Code as follows:

IFC 5704.2.11.5.1 Inventory control. Daily inventory records ~~shall be maintained~~ for underground storage tank systems shall be maintained.

IFC 5706.5.4.5 Commercial, industrial, governmental or manufacturing. Dispensing of Class II and III motor vehicle fuel from tank vehicles into the fuel tanks of motor vehicles located at commercial, industrial, governmental or manufacturing establishments is allowed where permitted, provided such dispensing operations are conducted in accordance with the following:

1 through 13 (*No change to current text*)

14. Persons responsible for dispensing operations shall be trained in the appropriate mitigating actions in the event of a fire, leak or spill. Training records shall be maintained by the dispensing company ~~and shall be made available to the fire code official upon request.~~

15 through 25 (No change to current text)

Revise the International Fire Code as follows:

IFC 5806.4.8.2 Corrosion protection. The vacuum jacket shall be protected by *approved* or *listed* corrosion-resistant materials or an engineered cathodic protection system. Where cathodic protection is utilized, an *approved* maintenance schedule shall be established. Exposed components shall be inspected at least twice a year. ~~Maintenance Records of maintenance and inspection events shall be recorded and those records shall be maintained on the premises for a minimum of three years and made available to the fire code official upon request.~~

Reason: This proposed change is a result of the CTC's investigation of the area of study entitled "NIST Charleston Sofa Store Fire Recommendations". The scope of the activity is noted as:

Review the NIST and other investigative reports on the fire that occurred on the evening of June 18, 2007 in the Sofa Super Store in Charleston, South Carolina to identify issues that can be addressed by the International Codes.

In connection with their investigation, NIST analyzed the fire ground, consulted with other experts, and performed computer simulations of fire growth alternatives. Based on these analyses, NIST concluded that the following sequence of events is likely to have occurred. A fire began in packing material and discarded furniture outside an enclosed loading dock area. The fire spread to the loading dock, then into both the retail showroom and warehouse spaces. During the early stages of the fire in the two latter locations, the fire spread was slowed by the limited supply of fresh air. This under-ventilation led to generation of a large mass of pyrolyzed and only partially oxidized effluent. The smoke and combustible gases flowed into the interstitial space below the roof and above the suspended ceiling of the main retail showroom. As this space filled with unburned fuel, the hot smoke also seeped through the suspended ceiling into the main showroom and formed a hot smoke layer below the suspended ceiling. Up to this time, the extent of fire spread into the interstitial space was not visible to fire fighters in the store. If the fire spread had been visible to the fire fighters in the store, it would have provided a direct indication of a fire hazard in the showroom. Meanwhile, the fire at the back of the main showroom and the gas mixture below the suspended ceiling were both still fuel rich. When the front windows were broken out or vented, the inflow of additional air allowed the heat release rate of the fire to intensify rapidly and added air to the layer of unburned fuel below the suspended ceiling enabling the ignition of the unburned fuel/air mixture. The fire swept from the rear to the front of the main showroom extremely quickly, and then into the west and east showrooms. Nine fire fighters were killed in the Sofa Super Store fire. NIST developed eleven recommendations to help mitigate such future losses.

Recommendation 2(c) of the NIST report recommended that that all state and local jurisdictions implement aggressive and effective fire inspection and enforcement programs that address detailed recordkeeping.

Following a review of recommendation 2(c) of the NIST report, changes are proposed to Section 107.2 and 49 other sections of the International Fire Code that address recordkeeping.

The proposed change to Section 107.2 accomplishes several things with regard to recordkeeping. Most significantly, it standardizes recordkeeping requirements for periodic inspection, testing, servicing and other operational and maintenance requirements of the International Fire Code.

The change to Section 107.2 would now make it clear that records must be maintained on the premises or other approved location and that copies of records must be provided to the fire code official upon request. The change would also make clear that records must be maintained for a period of not less than 3 years unless a different time interval were specified in the code or a referenced standard, and that the fire code official is authorized to prescribe the form and format of such records.

The changes proposed to the other sections of the International Fire Code are intended to make clear what records must be maintained.

This proposal is submitted by the ICC Code Technology Committee. The ICC Board established the ICC Code Technology Committee (CTC) as the venue to discuss contemporary code issues in a committee setting which provides the necessary time and flexibility to allow for full participation and input by any interested party. The code issues are assigned to the CTC by the ICC Board as "areas of study". Information on the CTC, including: meeting agendas; minutes; reports; resource documents; presentations; and all other materials developed in conjunction with the CTC effort can be downloaded from the following website: <http://www.iccsafe.org/cs/CTC/Pages/default.aspx>. Since its inception in April/2005, the CTC has held twenty-five meetings - all open to the public. In 2012, three of the 25 face-to face meetings were held. In addition to the CTC meetings, the CTC established Study Groups (SG) of interested parties for each of the areas of study. These SG's are responsible for reviewing the available information and making recommendations to the CTC. All totaled, the SG's held over 70 conference calls in 2012.

Cost Impact: The code change proposed will not increase the cost of construction.

Staff analysis: Recordkeeping of maintenance and inspections is also addressed in the ICCPC, IPC and IWUIC.

ADM43-13**PART I – Administration**

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IFC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

107.2.1-ADM (IFC)-BALDASSARRA-CTC

ADM44 – 13

IBC: [A] 107.2, [A] 107.2.6 (New)

Proponent: Jerry R. Tepe, FAIA, JRT•AIA ARCHITECT, representing The American Institute of Architects

Revise the International Building Code as follows:

IBC [A] 107.2 Construction documents. *Construction documents* shall be in accordance with Sections 107.2.1 through ~~107.2.5~~ 107.2.6.

IBC [A] 107.2.6 Structural. The *construction documents* shall provide the information specified in Section 1603.

Reason: Often the *construction document* requirements of Section 1603 for structural design are overlooked as they are only shown in Chapter 16 and not with the other *construction document* requirements found in Section 107. This places guidance in that section. An alternative approach would be to relocate the entire Section 1603 to Section 107. I do not suggest this as many engineers then would lose track of the requirements. It would also place them in an administrative section while they should remain the responsibility of the Structural Code Development Committee. There is no technical change proposed.

Cost Impact: None

ADM44-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

107.2.6 (NEW)-ADM (IBC)-TEPE

ADM45 – 13

IBC: [A] 107.2.5 (New)

Proponent: William E. Koffel, P.E., Koffel Associates, Inc., representing Firestop Contractors International Association (wkoffel@koffel.com)

Revise the International Building Code as follows:

IBC [A] 107.2.5 Penetrations and Joints. Where designs from approved sources for through-penetration or membrane penetration firestop systems and fire resistant joint systems are used, the design number for the listed systems, the assigned rating, the description of the listed systems, and the installation instructions for the listed systems shall be submitted to the building official prior to installation.

(Renumber remaining subsections)

Reason: The protection of penetrations and joints should be given the same level of attention as fire barriers and fire protection systems already receive within the Code. Construction documents typically identify fire barriers and the appropriate design number, ICC-ES Report, or other details allowing the code official to verify compliance with the Code. Fire protection system shop drawings are required by Paragraph 107.2.2. Recognizing that firestop systems are different than fire protection systems and shop drawings are typically not required for this work, the requested information has been limited to require the details regarding the listing of the systems. The language better describes information that is vital for all parties – architects, code officials, contractors, and maintenance personnel during the life cycle of the building. These Through Penetration Firestop Systems and Fire Resistant Joint Systems aren't systems without this documentation. With this documentation, inspectors can identify systems to be used.

The two significant changes between this Public Proposal and what was submitted last cycle are the information to be submitted has been specifically identified and the time at which the information needs to be submitted has been changed to prior to installation of the firestop system or joint system. Although one can argue that this would allow submission immediately prior to installation, and as such not provide the code official with adequate time for approval, the information is essential to proper inspection and approval of the system when it is installed. As such, the code official will have the necessary information for final approval.

The proposal should assist code officials in the performance of their duties by making sure the appropriate and necessary information is available to inspectors in the field. Without this information it is virtually impossible for a code official in the field to confirm that the correct system has been installed and that it has been installed properly. It is also anticipated that requiring such documentation and prior approval will result in earlier consideration regarding how to protect penetrations and joints, thereby reducing the need for as many engineering judgments as are currently being used due to poor planning and coordination.

Cost Impact: None

ADM45-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

107.2.5 (NEW)-ADM (IBC)-KOFFEL

ADM46 – 13

IBC: [A] 107.3.4.1, 202; IEBC: [A] 106.3.4, 202

Proponent: Maureen Traxler, City of Seattle, representing Seattle Department of Planning and Development (maureen.traxler@seattle.gov)

Revise the International Building Code as follows:

IBC [A] 107.3.4.1 Deferred submittals. ~~For the purposes of this section, deferred submittals are defined as those portions of the design that are not submitted at the time of the application and that are to be submitted to the *building official* within a specified period.~~

Deferral of any submittal items shall have the prior approval of the *building official*. The *registered design professional in responsible charge* shall list the deferred submittals on the *construction documents* for review by the *building official*.

Documents for deferred submittal items shall be submitted to the *registered design professional in responsible charge* who shall review them and forward them to the *building official* with a notation indicating that the deferred submittal documents have been reviewed and found to be in general conformance to the design of the building. The deferred submittal items shall not be installed until the deferred submittal documents have been *approved* by the *building official*.

Add new definition as follows:

IBC SECTION 202 DEFINITIONS

DEFERRED SUBMITTAL. Those portions of the design that are not submitted at the time of the application and that are to be submitted to the *building official* within a specified period.

Revise the International Existing Building Code as follows:

IEBC [A] 106.3.4 Deferred submittals. ~~For the purposes of this section, deferred submittals are defined as those portions of the design that are not submitted at the time of the application and that are to be submitted to the *code official* within a specified period.~~

Deferral of any submittal items shall have the prior approval of the *code official*. The *registered design professional in responsible charge* shall list the deferred submittals on the construction documents for review by the *code official*.

Submittal documents for deferred submittal items shall be submitted to the *registered design professional in responsible charge* who shall review them and forward them to the *code official* with a notation indicating that the deferred submittal documents have been reviewed and that they have been found to be in general conformance to the design of the building. The deferred submittal items shall not be installed until their deferred submittal documents have been approved by the *code official*.

Add new definition as follows:

IEBC SECTION 202 DEFINITIONS

DEFERRED SUBMITTAL. Those portions of the design that are not submitted at the time of the application and that are to be submitted to the *code official* within a specified period.

Reason: A definition of “deferred submittal” is buried in IBC Section 107.3.4.1 and IEBC 106.3.4. This proposal moves the definition to Section 202. The term is used at least two places in the code, so placing the definition in Chapter 2 will make it easier to find when applying those sections.

Cost Impact: None.

ADM46-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

[A] 107.3.4.1-ADM (IBC)-TRAXLER

ADM47 – 13

PART I - IBC: [A] 107.6 (New); IEBC: [A] 106.6 (New); IWUIC: [A] 108.9 (New)

PART II - IECC: C103.6 (New);

PART III - IECC: R103.6 (New);

PART IV - IRC: R106.6 (New)

THIS IS A 4 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Michael D. Fischer, Kellen Company, representing the American Institute of Building Design (mfischer@kellencompany.com)

PART I – IBC; IEBC; IWUIC

Add new text to the International Building Code as follows:

IBC 107.6 Copyright protection. The *building official* shall establish procedures to prevent improper or unauthorized duplication, reuse, or dissemination to the public, of retained *construction documents* that contain copyrighted materials including building designs, floor plans, elevations, engineering designs, and other architectural features.

Add new text to the International Existing Building Code as follows:

IEBC 106.6 Copyright protection. The *building official* shall establish procedures to prevent improper or unauthorized duplication, reuse, or dissemination to the public, of retained *construction documents* that contain copyrighted materials including building designs, floor plans, elevations, engineering designs, and other architectural features.

(Renumber subsequent sections)

Add new text to the International Wildland-Urban Interface Code as follows:

IWUIC 108.9 Copyright protection. The *building official* shall establish procedures to prevent improper or unauthorized duplication, reuse, or dissemination to the public, of retained *construction documents* that contain copyrighted materials including building designs, floor plans, elevations, engineering designs, and other architectural features.

(Renumber subsequent sections)

PART II – IECC-COMMERCIAL

Add new text to the International Energy Conservation Code-Commercial as follows:

R106.6 Copyright protection. The *building official* shall establish procedures to prevent improper or unauthorized duplication, reuse, or dissemination to the public, of retained *construction documents* that contain copyrighted materials including building designs, floor plans, elevations, engineering designs, and other architectural features.

PART III – IECC-RESIDENTIAL

Add new text to the International Energy Conservation Code-Residential as follows:

R106.6 Copyright protection. The *building official* shall establish procedures to prevent improper or unauthorized duplication, reuse, or dissemination to the public, of retained *construction documents* that contain copyrighted materials including building designs, floor plans, elevations, engineering designs, and other architectural features.

PART IV – IRC

Add new text to the International Residential Code as follows:

IRC R106.6 Copyright protection. The *building official* shall establish procedures to prevent improper or unauthorized duplication, reuse, or dissemination to the public, of retained *construction documents* that contain copyrighted materials including building designs, floor plans, elevations, engineering designs, and other architectural features.

Reason: The code requires that construction documents be kept on file and generally available to the public. The code does not include safeguards to ensure that the building department at the least will honor the copyrighted works that are part and parcel of most projects. Local copy and print centers honor such copyright protection by declining to duplicate copyrighted works without permission of the author. It is not unreasonable to expect similar efforts by governmental agencies.

Cost Impact: None.

ADM47-13

PART I – IBC; IEBC; IWUIC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IECC-COMMERCIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – IECC-RESIDENTIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART IV – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

R106.6 (NEW)-RB-FISCHER

ADM48 – 13

IBC: [A] 108.2

Proponent: Charles S. Bajnai, Chesterfield County, VA, ICC Building Code Action Committee
(bajnaic@chesterfield.gov)

Revise the International Building Code as follows:

IBC [A] SECTION 108 TEMPORARY STRUCTURES AND USES

IBC [A] 108.1 General. The *building official* is authorized to issue a *permit* for temporary structures and temporary uses. Such *permits* shall be limited as to time of service, but shall not be permitted for more than 180 days. The *building official* is authorized to grant extensions for demonstrated cause.

IBC [A] 108.2 Conformance. Temporary structures and uses shall comply with the requirements in Section 3103. ~~conform to the structural strength, fire safety, means of egress, accessibility, light, ventilation and sanitary requirements of this code as necessary to ensure public health, safety and general welfare.~~

Reason: This proposal is submitted by the ICC Building Code Action Committee (BCAC). The BCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance an assigned International Code or portion thereof. This includes both the technical aspects of the codes as well as the code content in terms of scope and application of referenced standards. Since its inception in July, 2011, the BCAC has held 6 open meetings and numerous workgroup calls which included members of the BCAC as well as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: <http://www.iccsafe.org/cs/BCAC/Pages/default.aspx>.

The BCAC was asked during the Group A cycle to look at adding technical requirements for temporary structures in Section 3103. It was determined that there is sufficient language in the code. The problem was, the language was in the administrative section in Chapter 1. Therefore, this two part proposal is simply to move the language from Chapter 1 to Section 3103. The addition of the language to Section 3103 was under the Group A cycle and this removal of the language from Chapter 1 is under Group B cycle.

BCAC Proposal G190-12 shown below was approved in Portland which moved the existing 108.2 language to chapter 31 as they were technical requirements and did not belong in the administrative provisions. This proposal is a follow-up to that change and intends to delete the technical provisions from Chapter 1, leaving only the administrative requirement, which simply references the user to Chapter 31.

SECTION 3103 TEMPORARY STRUCTURES

3103.1 General. The provisions of Sections 3103.1 through 3103.4 shall apply to structures erected for a period of less than 180 days. Tents and other membrane structures erected for a period of less than 180 days shall comply with the *International Fire Code*. Those erected for a longer period of time shall comply with applicable sections of this code.

Add new section 3103.1.1 and re-number the existing 3103.1.1 as follows:

3103.1.1 Conformance. Temporary structures and uses shall conform to the structural strength, fire safety, means of egress, accessibility, light, ventilation and sanitary requirements of this code as necessary to ensure public health, safety and general welfare.

Cost Impact: This proposal will not increase the cost of construction.

Staff analysis: The current language in IBC Section 108.2 is also found in IEBC 107.2, IFGC 110.2, IMC 110.2, IPC 110.2, IPSCD 110.2, IWUIC 111.2 and IRC R107.2.

ADM48-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

[A] 108.1-ADM (IBC)-BAJNAI-BCAC

ADM49 – 13

PART I - IBC: [A] 111.1, IEBC: [A] 110.1, IWUIC [A] 110.1;

PART II – IRC: R110.1

THIS IS A 2 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Jerry Anderson, City of Overland Park, Ks, representing self (jerry.anderson@opkansas.org)

PART I – IBC; IEBC; IWUIC

Revise the International Building Code as follows:

IBC [A] SECTION 111 CERTIFICATE OF OCCUPANCY

IBC [A] 111.1 Use and occupancy. No building or structure shall be used or occupied, and no change in the existing use or occupancy classification of a building or structure or portion thereof shall be made, until the *building official* has issued a certificate of occupancy therefor as provided herein. Issuance of a certificate of occupancy shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction.

Exception: Certificates of occupancy are not required for work exempt from *permits* under Section 105.2.

Revise the International Existing Building Code as follows:

IEBC [A] SECTION 110 CERTIFICATE OF OCCUPANCY

IEBC [A] 110.1 Altered area use and occupancy classification change. No altered area of a building and no relocated building shall be used or occupied, and no change in the existing use or occupancy classification of a building or portion thereof shall be made until the code official has issued a certificate of occupancy therefor as provided herein. Issuance of a certificate of occupancy shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction.

Revise the International Wildland-Urban Interface Code as follows:

IWUIC SECTION 110 CERTIFICATE OF COMPLETION

IWUIC [A] 110.1 General. No building, structure or premises shall be used or occupied, and no change in the existing use or occupancy classification of a building, structure, premise or portion thereof shall be made until the code official has issued a certificate of completion therefor as provided herein. The certificate of occupancy shall not be issued until the certificate of completion indicating that the project is in compliance with this code has been issued by the code official.

PART II – IRC

Revise the International Residential Code as follows:

IRC SECTION R110 CERTIFICATE OF OCCUPANCY

IRC R110.1 Use and occupancy. No building or structure shall be used or occupied, and no change in the existing use or occupancy classification of a building or structure or portion thereof shall be made until the *building official* has issued a certificate of occupancy therefor as provided herein. Issuance of a certificate of occupancy shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the *jurisdiction*. Certificates presuming to give authority to violate or cancel the provisions of this code or other ordinances of the *jurisdiction* shall not be valid.

Exceptions:

1. Certificates of occupancy are not required for work exempt from permits under Section R105.2.
2. Accessory buildings or structures.

IRC R110.2 Change in use. Changes in the character or use of an existing structure shall not be made except as specified in Sections 3408 and 3409 of the *International Building Code*.

Reason: The purpose of this code change is to clarify the intent of this code section as it pertains to existing buildings and structures. The current language implies that a new (revised) certificate of occupancy is required only if there is a change in the occupancy classification. I have inserted the word "use" to indicate that there cannot be change in the use of the building or structure regardless if there is a change occupancy classification.

Cost Impact: no cost associated with this change

ADM49-13

PART I – IBC; IEBC; IWUIC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

[A] 111.1-ADM (IBC)-ANDERSON

ADM50 – 13

PART I - IBC: [A] 114.1; ICCPC: [A] 103.3.13.1; IEBC: [A] 113.1; IFC: [A] 109.1;
IFGC: [A] 108.1; IMC: [A] 108.1; IPC: [A] 108.1; IPSDC: [A] 108.1; IPMC: [A] 106.1;
IZC: [A] 110.1;

PART II - IRC: R113.1;

PART III – ISPSC: 107.1

THIS IS A 3 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART III WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Rebecca Morley, representing National Center for Healthy Housing

PART I – IBC; ICCPC; IEBC; IFC; IFGC; IMC; IPC; IPSDC; IPMC; IZC

Revise the International Building Code as follows:

IBC SECTION 114 VIOLATIONS

IBC [A] 114.1 Unlawful acts. It shall be unlawful for any person, firm or corporation to erect, construct, alter, extend, repair, move, remove, demolish or occupy any building, structure or equipment regulated by this code, or cause same to be done, in conflict with or in violation of any of the provisions of this code or applicable state or federal law or regulation.

Revise the International Code Council Performance Code as follows:

ICCPC [A] 103.3.13 Violations.

ICCPC [A] 103.3.13.1 General Unlawful acts. It shall be unlawful for any person, firm or corporation to erect, construct, alter, extend, repair, move, remove, demolish or occupy any building, structure or facility regulated by this code, or cause same to be done, in conflict with or in violation of any of the provisions of this code or applicable state or federal law or regulation.

Revise the International Existing Building Code as follows:

IEBC SECTION 113 VIOLATIONS

IEBC [A] 113.1 Unlawful acts. It shall be unlawful for any person, firm or corporation to repair, alter, extend, add, move, remove, demolish or change the occupancy of any building or *equipment* regulated by this code or cause same to be done in conflict with or in violation of any of the provisions of this code or applicable state or federal law or regulation.

Revise the International Fire Code as follows:

IFC SECTION 109 VIOLATIONS

IFC [A] 109.1 Unlawful acts. It shall be unlawful for a person, firm or corporation to erect, construct, alter, repair, remove, demolish or utilize a building, occupancy, premises or system regulated by this code, or cause same to be done, in conflict with or in violation of any of the provisions of this code or applicable state or federal law or regulation.

Revise the International Fuel Gas Code as follows:

**IFGC SECTION 108
VIOLATIONS**

IFGC [A] 108.1 Unlawful acts. It shall be unlawful for a person, firm or corporation to erect, construct, alter, repair, remove, demolish or utilize an installation, or cause same to be done, in conflict with or in violation of any of the provisions of this code or applicable state or federal law or regulation.

Revise the International Mechanical Code as follows:

**IMC SECTION 108
VIOLATIONS**

IMC [A] 108.1 Unlawful acts. It shall be unlawful for a person, firm or corporation to erect, construct, alter, repair, remove, demolish or utilize a mechanical system, or cause same to be done, in conflict with or in violation of any of the provisions of this code or applicable state or federal law or regulation.

Revise the International Plumbing Code as follows:

**IPC SECTION 108
VIOLATIONS**

IPC [A] 108.1 Unlawful acts. It shall be unlawful for any person, firm or corporation to erect, construct, alter, repair, remove, demolish or utilize any plumbing system, or cause same to be done, in conflict with or in violation of any of the provisions of this code or applicable state or federal law or regulation.

Revise the International Private Sewage Disposal Code as follows:

**IPSDC SECTION 108
VIOLATIONS**

IPSDC [A] 108.1 Unlawful acts. It shall be unlawful for any person, firm or corporation to erect, construct, alter, repair, remove, demolish or use any *private sewage disposal system*, or cause same to be done, in conflict with or in violation of any of the provisions of this code or applicable state or federal law or regulation.

Revise the International Property Maintenance Code as follows:

**IPMC SECTION 106
VIOLATIONS**

IPMC [A] 106.1 Unlawful acts. It shall be unlawful for a person, firm or corporation to be in conflict with or in violation of any of the provisions of this code or applicable state or federal law or regulation.

Revise the International Zoning Code as follows:

**IZC SECTION 110
VIOLATIONS**

IZC [A] 110.1 Unlawful acts. It shall be unlawful for any person to erect, construct, enlarge, alter, repair, move, improve, remove, convert or demolish, equip, use, occupy, or maintain any building or land or cause or permit the same to be done in violation of this code or applicable state or federal law or regulation. When any building or parcel of land regulated by this code is being used contrary to this code, the code official shall be permitted to order such use discontinued and the structure, parcel of land, or portion thereof, vacated by notice served on any person causing such use to be continued. Such person

shall discontinue the use within the time prescribed by the code official after receipt of such notice to make the structure, parcel of land, or portion thereof, comply with the requirements of this code.

PART II – IRC

Revise the International Residential Code as follows:

IRC SECTION R113 VIOLATIONS

IRC R113.1 Unlawful acts. It shall be unlawful for any person, firm or corporation to erect, construct, alter, extend, repair, move, remove, demolish or occupy any building, structure or *equipment* regulated by this code, or cause same to be done, in conflict with or in violation of any of the provisions of this code or applicable state or federal law or regulation.

PART III – ISPSC

Revise the International Swimming Pool and Spa Code as follows:

ISPSC SECTION 107 VIOLATIONS

ISPSC 107.1 Unlawful acts. It shall be unlawful for any person, firm or corporation to erect, construct, alter, *repair*, remove, demolish or utilize any system, or cause same to be done, in conflict with or in violation of any of the provisions of this code or applicable state or federal law or regulation.

Reason: The purpose of this group of code changes is to clarify that the code requires compliance with all applicable laws and regulations in the course of conducting construction work. From a children's health perspective, making this change will enable the code official to cite and stop work that is conducted in violation of the federal and state lead renovation requirements, and thereby reduce the risk of childhood lead poisoning. More broadly, the code change will allow the code official to address violation of other local, state and federal policies intended to protect health that are not specifically covered in the code. In the case of the lead renovation rule, the code official will be positioned to help level the playing field between contractors who are complying with the rule and noncompliant entities who are under-pricing and undercutting their competitors. These provisions can prompt entities not following the law to comply before or after work is underway whether or not the work is covered by a building permit. Although the lead renovation regulations have been in effect since April 2010, and have been adopted by 12 states, reported non-compliance is affecting the compliant contractor and continuing the problem of lead poisoning in the US.

Cost Impact: This code change proposal will not increase the cost of construction since these federal/state requirements are already in effect.

ADM50-13

PART I – IBC; ICCPC; IEBC; IFC; IFCG; IMC; IPC; IPSDC; IPMC; IZC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – ISPSC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

113.1-EB-MORLEY

ADM51 – 13

PART I - IBC: 202, IEBC: 202, IFC: 202, IFGC: 202, IMC: 202, IZC: 202

PART II - IECC: C202;

PART III - IECC: R202 (IRC N1101.9);

PART IV - IRC: R202;

PART V – ISPSC: 202.

THIS IS A 5 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART V WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Jeremiah Williams, U.S. Department of Energy (jeremiah.williams@ee.doe.gov)

PART I – IBC; IEBC; IFC; IFGC; IMC; IZC

Revise the International Building Code as follows:

IBC SECTION 202 DEFINITIONS

[A] ALTERATION. Any construction, retrofit or renovation to an *existing structure* other than *repair* or *addition* that requires a permit. Also, a change in a building, electrical, gas, mechanical or plumbing system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit.

Revise the International Existing Building Code as follows:

IEBC SECTION 202 DEFINITIONS

[A] ALTERATION. Any construction, retrofit or renovation to an existing structure other than a *repair* or *addition* that requires a permit. Also, a change in a building, electrical, gas, mechanical or plumbing system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit. Alterations are classified as Level 1, Level 2 or Level 3.

Revise the International Fire Code as follows:

IFC SECTION 202 DEFINITIONS

[A] ALTERATION. Any construction, retrofit or renovation to an *existing structure* other than *repair* or *addition* that requires a permit. Also, a change in a building, electrical, gas, mechanical or plumbing system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit.

Revise the International Fuel Gas Code as follows:

**IFGC SECTION 202
GENERAL DEFINITIONS**

[A] ALTERATION. A change in a system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit.

Revise the International Mechanical Code as follows:

**IMC SECTION 202
GENERAL DEFINITIONS**

[A] ALTERATION. A change in a ~~mechanical~~ system that involves ~~an~~ a retrofit, extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit.

Revise the International Zoning Code as follows:

**IZC SECTION 202
GENERAL DEFINITIONS**

[A] ALTERATION. Any retrofit, change, addition or modification in construction, occupancy or use.

PART II – IECC-COMMERCIAL

Revise the International Energy Conservation Code-Commercial as follows:

**IECC SECTION C202
GENERAL DEFINITIONS**

ALTERATION. Any construction, retrofit or renovation to an existing structure other than repair or addition that requires a permit. Also, a change in a building, electrical, gas, mechanical or plumbing system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit.

PART III – IECC-RESIDENTIAL

Revise the International Energy Conservation Code-Residential as follows:

**IECC SECTION R202 (IRC N1101.9)
GENERAL DEFINITIONS**

ALTERATION. Any construction, retrofit or renovation to an existing structure other than repair or addition that requires a permit. Also, a change in a building, electrical, gas, mechanical or plumbing system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit.

PART IV – IRC

Revise the International Residential Code as follows:

**IRC SECTION R202
DEFINITIONS**

ALTERATION. Any construction, retrofit or renovation to an existing structure other than repair or addition that requires a *permit*. Also, a change in a building, electrical, gas, mechanical or plumbing system that

involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a *permit*.

PART V – ISPSC

Revise the International Swimming Pool and Spa Code as follows:

ISPSC SECTION 202 DEFINITIONS

ALTERATION. Any construction, retrofit or renovation to an *existing aquatic vessel* other than repair or addition that requires a permit. Also, a change in a building, electrical, gas, mechanical or plumbing system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a *permit*.

Reason:

PART I - This proposal expands definition of “alteration” to include retrofits and changes to energy systems for consistency with the 2012 International Energy Conservation Code (IECC). While the terms “construction” and “renovation” are not defined in the International Existing Buildings Code (IEBC) or other International Code Council (ICC) codes, they logically include mechanical, water heating, and lighting systems. Since this is not clearly spelled out, given some interpretations of the code these energy using systems might be excluded from IECC compliance when they should not be excluded. The suggested new sentence is intended to clarify the scope of the IECC with respect to alterations of such systems or their component parts and is consistent with the definition of “alteration” in the 2012 IECC. Because the term “retrofit” is used regularly to generally describe work done in existing buildings, its inclusion in the definition along with construction and renovation is intended to provide more clarity when trying to determine what is and is not covered by the IEBC with respect to work being done in and to existing buildings.

PART II, PART III, PART IV, and PART V –

A change in a mechanical system as currently described in the code is an appropriate target for compliance and alterations to such systems should meet the applicable provisions of the energy code. Plumbing, electrical (lighting), and other building systems also use energy and, if altered as defined in the code, they should be equally addressed as mechanical systems are in the current code. As an example, the extension of a potable hot water system to serve additional lavatories could involve additional hot water piping that should be insulated. Another example involves updating a lighting system arrangement with new fixtures and wiring. Such situations do not involve repairs or additions and are currently not subject to the provisions of the code when they should be. This proposal clarifies “alterations” to include changes to HVAC, service heating water, or lighting systems involving extension, addition, or change to arrangement, type, or purpose. This ensures that alterations, no matter what systems are involved, comply with the code. Approval of this change also ensures consistency between the IEBC as applied to alterations and the IECC. All three chapters in the IEBC applicable to alterations (7, 8 and 9) refer to the IECC and contain provisions applicable to other than mechanical systems. This change ensures consistency in scope between the IEBC and the IECC with respect to alterations.

There is a cost impact associated with this proposed change to the degree that the subject systems are not clearly covered in the current code and as a result alterations that should be subject to the energy code are not required to meet the energy code.

Cost Impact: The code change proposal will not increase the cost of construction.

ADM51-13

PART I – IBC; IEBC; IFC; IFCG; IMC; IZC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IECC-COMMERCIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – IECC-RESIDENTIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART IV – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART V – ISPSC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

202-ALTERATION-EB-WILLIAMS.doc

ADM52 – 13

PART I - IBC: 202, IEBC: 202, IFC: 202, IMC: 202

PART II - IECC: C202;

PART III - IECC: R202 (IRC N1101.9);

PART IV - IRC: R202;

PART V - ISPSC 202.

THIS IS A 5 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART V WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Deborah Taylor, Deborah F. Taylor Consulting, LLC, representing self
(taylor@dftconsultingny.com)

PART I – IBC; IEBC; IFC; IMC

Revise the International Building Code as follows:

IBC SECTION 202 DEFINITIONS

[A] ALTERATION. Any construction or renovation to an *existing structure* other than *repair* or *addition*. Also, a change in an electrical or mechanical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit.

Revise the International Existing Building Code as follows:

IEBC SECTION 202 DEFINITIONS

[A] ALTERATION. Any construction or renovation to an existing structure other than a *repair* or *addition*. Also, a change in an electrical or mechanical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit.
Alterations are classified as Level 1, Level 2 or Level 3.

Revise the International Fire Code as follows:

IFC SECTION 202 DEFINITIONS

[A] ALTERATION. Any construction or renovation to an *existing structure* other than *repair* or *addition*. Also, a change in an electrical or mechanical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit.

Revise the International Mechanical Code as follows:

IMC SECTION 202 GENERAL DEFINITIONS

[A] ALTERATION. A change in a mechanical or electrical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation.

PART II – IECC-COMMERCIAL

Revise the International Energy Conservation Code-Commercial as follows:

IECC SECTION C202 GENERAL DEFINITIONS

ALTERATION. Any construction or renovation to an existing structure other than repair or addition that requires a permit. Also, a change in a an electrical or mechanical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit.

COMMISSIONING. A protocol included in the construction documents for mechanical and lighting systems, including controls, that establishes a process of testing, balancing, calibrating and adjusting the installed systems to ensure that they function according to *approved* construction documents.

LIGHTING POWER ALLOWANCE. The total input electrical power permitted by this code for lighting in a building, or part thereof as applicable.

LIGHTING POWER DENSITY. The ratio of lighting input power permitted by this code as a function of area served, measured in watts per square foot.

TOTAL CONNECTED LIGHTING POWER. A calculation of the lighting power capacity in a building, or part thereof, or design, performed in accordance with Section C405.5.1 of this code.

WORK. Proposed or actual construction that shall include demolition or installation of materials, equipment or systems related to creating, altering or removing a building, or part thereof.

PART III – IECC-RESIDENTIAL

Revise the International Energy Conservation Code-Residential as follows:

IECC SECTION R202 (IRC N1101.9) GENERAL DEFINITIONS

ALTERATION. Any construction or renovation to an existing structure other than repair or addition that requires a permit. Also, a change in a an electrical or mechanical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit.

COMMISSIONING. A protocol included in the construction documents for mechanical and lighting systems, including controls, that establishes a process of testing, balancing, calibrating and adjusting the installed systems to ensure that they function according to *approved* construction documents.

LIGHTING POWER ALLOWANCE. The total input electrical power permitted by this code for lighting in a building, or part thereof as applicable.

LIGHTING POWER DENSITY. The ratio of lighting input power permitted by this code as a function of area served, measured in watts per square foot.

TOTAL CONNECTED LIGHTING POWER. A calculation of the lighting power capacity in a building, or part thereof, or design, performed in accordance with Section C405.5.1 of this code.

WORK. Proposed or actual construction that shall include demolition or installation of materials, equipment or systems related to creating, altering or removing a building, or part thereof.

PART IV – IRC

Revise the International Residential Code as follows:

IRC SECTION R202 DEFINITIONS

ALTERATION. Any construction, retrofit or renovation to an existing structure other than repair or addition that requires a *permit*. Also, a change in ~~a~~ an electrical or mechanical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a *permit*.

PART V – ISPSC

Revise the International Swimming Pool and Spa Code as follows:

ISPSC SECTION 202 DEFINITIONS

ALTERATION. Any construction, retrofit or renovation to an existing aquatic vessel other than repair or addition that requires a permit. Also, a change in an electrical or mechanical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit.

Reason: The definition for “alteration” needs to acknowledge electrical alterations as well. The added terms are already used in the code and required definition.

Cost Impact: This code change proposal will not increase the cost of construction.

Staff Analysis: The definition for Alteration also appears in the IFGC and IZC.

ADM52-13

PART I – IBC; IEBC; IFC; IMC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IECC-COMMERCIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – IECC-RESIDENTIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART IV – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART V – ISPSC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

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ADM53 – 13

PART I - IFC: 202, IPMC: 202, IWUIC: 202

PART II - IECC: C202, C407.3;

PART III - IECC: R103.2 (IRC N1101.8), R202 (IRC N1101.9);

PART IV - IRC: R202

THIS IS A 4 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Craig Conner, Building Quality, representing self (craig.conner@mac.com)

PART I – IFC; IPMC; IWUIC

Revise the International Fire Code as follows:

IFC SECTION 202 DEFINITIONS

[A] **APPROVED.** Acceptable to the *fire code official* or authority having jurisdiction.

Revise the International Property Maintenance Code as follows:

IPMC SECTION 202 DEFINITIONS

[A] **APPROVED.** Acceptable to ~~Approved by~~ the *code official* or authority having jurisdiction.

Revise the International Wildland-Urban Interface Code as follows:

IWUICC SECTION 202 DEFINITIONS

[A] **APPROVED.** Acceptable to ~~Approval by~~ the code official ~~as the result of review, investigation or tests conducted by the code official or by reason of accepted principles or tests by national authorities, or technical or scientific organizations or authority having jurisdiction.~~

PART II – IECC-COMMERCIAL

Revise the International Energy Conservation Code-Commercial as follows:

IECC SECTION C202 GENERAL DEFINITIONS

APPROVED. Acceptable to ~~Approval by~~ the code official ~~as a result of investigation and tests conducted by him or her, or by reason of accepted principles or tests by nationally recognized organizations or authority having jurisdiction.~~

IECC C407.3 Performance-based compliance. Compliance based on total building performance requires that a proposed building (proposed design) be shown to have an annual energy cost that is less than or equal to the annual energy cost of the standard reference design. Energy prices shall be taken

from an approved source ~~approved by the code official~~, such as the Department of Energy, Energy Information Administration's State Energy Price and Expenditure Report. Code officials shall be permitted to require time-of-use pricing in energy cost calculations. Nondepletable energy collected off site shall be treated and priced the same as purchased energy. Energy from nondepletable energy sources collected on site shall be omitted from the annual energy cost of the proposed design.

Exception: Jurisdictions that require site energy (1 kWh = 3413 Btu) rather than energy cost as the metric of comparison.

PART III – IECC-RESIDENTIAL

Revise the International Energy Conservation Code-Residential as follows:

IECC R103.2 (IRC N1101.8) Information on construction documents. Construction documents shall be drawn to scale upon suitable material. Electronic media documents are permitted to be submitted when ~~approved by the code official~~. Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed, and show in sufficient detail pertinent data and features of the building, systems and equipment as herein governed. Details shall include, but are not limited to, as applicable, insulation materials and their R-values; fenestration U-factors and SHGCs; area-weighted U-factor and SHGC calculations; mechanical system design criteria; mechanical and service water heating system and equipment types, sizes and efficiencies; economizer description; equipment and systems controls; fan motor horsepower (hp) and controls; duct sealing, duct and pipe insulation and location; lighting fixture schedule with wattage and control narrative; and air sealing details.

IECC SECTION R202 (IRC N1101.9) GENERAL DEFINITIONS

APPROVED. ~~Acceptable to Approval by the code official as a result of investigation and tests conducted by him or her, or by reason of accepted principles or tests by nationally recognized organizations or authority having jurisdiction.~~

PART IV – IRC

Revise the International Residential Code as follows:

IRC SECTION R202 DEFINITIONS

APPROVED. Acceptable to the building official or authority having jurisdiction.

Reason: Approved is an important word. "Approved" already incorporates the "by who" in the definition, repeating that is redundant. I-codes should be consistent.

Cost Impact: The code change proposal will not increase the cost of construction.

Staff analysis: The same phrase that is proposed to be modified in IECC Residential Section 103.2 is also found in IECC Commercial Section 103.2.

ADM53-13

PART I – IFC; IPMC; IWUIC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IECC-COMMERCIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – IECC-RESIDENTIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART IV – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

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ADM54 – 13

PART I – IBC: 202; IFC: 202

PART II – IRC: R202

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Bob Eugene, representing UL LLC (Robert.Eugene@ul.com)

PART I – IBC; IFC

Revise the International Building Code as follows:

IBC SECTION 202 DEFINITIONS

[A] **APPROVED.** Acceptable to the code building official or authority having jurisdiction.

[A] **BUILDING CODE OFFICIAL.** The officer or other designated authority charged with the administration and enforcement of this code, or a duly authorized representative.

Revise the International Fire Code as follows:

IFC SECTION 202 DEFINITIONS

[A] **APPROVED.** Acceptable to the fire code official or other authority having jurisdiction.

[A] **BUILDING CODE OFFICIAL.** The officer or other designated authority charged with the administration and enforcement of the *International Building Code*, or a duly authorized representative.

PART II – IRC

Revise the International Residential Code as follows:

IRC SECTION R202 DEFINITIONS

APPROVED. Acceptable to the code building official or other authority having jurisdiction.

BUILDING CODE OFFICIAL. The officer or other designated authority charged with the administration and enforcement of this code.

Reason: This would make the definition consistent with other I-codes. Additionally, the code covers not only building, provisions but also energy conservation, mechanical, fuel gas, plumbing and electrical installations which may be under the jurisdiction of other AHJs.

Cost Impact: None

Staff analysis: If this proposal is approved, wherever “building official” is used in the text of the IBC, IFC and IRC, the term will be changed to “code official”. The term “fire code official” in the IFC will remain unchanged.

ADM54-13

PART I – IBC; IFC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

R202-APPROVED-EUGENE

ADM55 – 12

PART I - IBC: 202, IFC: 202, IFGC: 202, IMC: 202, IPC: 202, IPMC: 202, IWUIC: 202

PART II - IECC: C202;

PART III - IECC: R202 (IRC N1101.9);

PART IV - IRC: R202;

PART V - ISPSC 202.

THIS IS A 5 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART V WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Philip Brazil, P.E., Reid Middletonw, Inc., representing Washington Association of Building Officials, Technical Code Development (pbrazil@reidmiddleton.com)

PART I – IBC; IFC; IFCG; IMC; IPC; IPMC; IWUIC

Revise the International Building Code as follows:

IBC SECTION 202 DEFINITIONS

[A] APPROVED. Acceptable to the *building official* ~~or authority having jurisdiction.~~

[A] PERMIT. An official document or certificate issued by the ~~authority having jurisdiction which~~ building official that authorizes performance of a specified activity.

Revise the International Fire Code as follows:

IFC SECTION 202 DEFINITIONS

[A] APPROVED. Acceptable to the *fire code official*.

[A] PERMIT. An official document or certificate issued by the ~~authority having jurisdiction which~~ fire code official that authorizes performance of a specified activity.

Revise the International Fuel Gas Code as follows:

IFGC SECTION 202 DEFINITIONS

[A] APPROVED. Acceptable to the *code official* ~~or authority having jurisdiction.~~

Revise the International Mechanical Code as follows:

IMC SECTION 202 DEFINITIONS

[A] APPROVED. Acceptable to the *code official* ~~or authority having jurisdiction.~~

Revise the International Plumbing Code as follows:

**IPC SECTION 202
DEFINITIONS**

[A] APPROVED. ~~Acceptable to the code official or authority having jurisdiction.~~

Revise the International Property Maintenance Code as follows:

**IPMC SECTION 202
DEFINITIONS**

[A] APPROVED. ~~Acceptable to~~ Approved by the code official.

Revise the International Wildland-Urban Interface Code as follows:

**IWUICC SECTION 202
DEFINITIONS**

[A] APPROVED. ~~Acceptable to the code official Approval by the code official as the result of review, investigation or tests conducted by the code official or by reason of accepted principles or tests by national authorities, or technical or scientific organizations.~~

PART II – IECC-COMMERCIAL

Revise the International Energy Conservation Code-Commercial as follows:

**IECC SECTION C202
GENERAL DEFINITIONS**

APPROVED. ~~Acceptable to Approval by the code official as the result of investigation and tests conducted by him or her, or by reason of accepted principles or tests by national recognized organizations.~~

PART III – IECC-RESIDENTIAL

Revise the International Energy Conservation Code-Residential as follows:

**IECC SECTION R202 (IRC N1101.9)
GENERAL DEFINITIONS**

APPROVED. ~~Acceptable to Approval by the code official as the result of investigation and tests conducted by him or her, or by reason of accepted principles or tests by national recognized organizations.~~

PART IV – IRC

Revise the International Residential Code as follows:

**IRC SECTION R202
DEFINITIONS**

APPROVED. Acceptable to the *building official*.

PERMIT. An official document or certificate issued by the ~~authority having jurisdiction~~ building official that authorizes performance of a specified activity.

PART V – ISPSC

Revise the International Swimming Pool and Spa Code as follows:

ISPSC SECTION 202 DEFINITIONS

APPROVED. Acceptable to the *code official* ~~or authority having jurisdiction~~.

PERMIT. An official document or certificate issued by the ~~authority having jurisdiction~~ building official that authorizes performance of a specified activity.

Reason: The purpose for the proposal is to clarify the meaning of the definitions for “approved” and “permit” by specifying the building official rather than the “authority having jurisdiction.” The provisions of the building code consistently identify the building official as the official in charge of administration and enforcement of the building code. The only instances of “authority having jurisdiction” in the 2012 IBC are in this proposal.

Cost Impact: The code change proposal will not increase the cost of construction.

ADM55-13

PART I – IBC; IFC; IFCG; IMC; IPC; IPMC; IWUIC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IECC-COMMERCIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – IECC-RESIDENTIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART IV – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART V – ISPSC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

202-APPROVED-ADM-BRAZIL

ADM56 – 13

IEBC: 202 (New)

THIS PROPSAL WILL BE HEARD BY THE EXISTING BUILDING CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THE IEBC COMMITTEE.

Proponent: Maureen Traxler, City of Seattle, representing Seattle Dept. of Planning & Development (Maureen.traxler@seattle.gov)

Add new definition to the International Existing Building Code as follows:

IEBC SECTION 202 DEFINITIONS

[A] APPROVED. Acceptable to the *code official* or authority having jurisdiction.

Reason: The term “approved” appears dozens of times in the IEBC but is not defined. The definition will eliminate dispute about who “approves” something—without the definition, it could be the code official, the design professional, or a testing laboratory. This definition, or one substantially the same, is used in the IBC, IMC, IFGC, IFC, IRC and IPC.

Cost Impact: This code change proposal will not increase the cost of construction.

ADM56-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

202-APPROVED-EB-TRAXLER.doc

ADM57 – 13

PART I - IFGC: 202, IMC: 202, IPC: 202

PART II - IECC: C202 (New);

PART III - IECC: R202 (IRC N1101.9)(New).

THIS IS A 3 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Brenda A. Thompson, Clark County Development Services, Clark County, Nevada, representing Sustainable/Energy/High Performance Code Action Committee (bat@clarkcounty.gov)

PART I – IBC; IFGC; IMC; IPC

Revise the International Building Code as follows:

IBC SECTION 202 DEFINITIONS

[A] APPROVED AGENCY. An established and recognized agency regularly engaged in conducting tests or furnishing inspection services, when such agency has been approved by the building official.

Revise the International Fuel Gas Code as follows:

IFGC SECTION 202 GENERAL DEFINITIONS

[A] APPROVED AGENCY. An established and recognized agency ~~that is approved by the code official~~ and regularly engaged in conducting tests or furnishing inspection services, when such agency has been approved by the code official.

Revise the International Mechanical Code as follows:

IMC SECTION 202 GENERAL DEFINITIONS

[A] APPROVED AGENCY. An established and recognized agency ~~that is approved by the code official~~ and regularly engaged in conducting tests or furnishing inspection services, when such agency has been approved by the code official.

Revise the International Plumbing Code as follows:

IPC SECTION 202 GENERAL DEFINITIONS

[A] APPROVED AGENCY. An established and recognized agency ~~that is approved by the code official~~ and regularly engaged in conducting tests or furnishing inspection services, when such agency has been approved by the code official.

PART II – IECC-COMMERCIAL

Add a new definition to the International Energy Conservation Code-Commercial as follows:

IECC SECTION C202 GENERAL DEFINITIONS

APPROVED AGENCY. An established and recognized agency regularly engaged in conducting tests or furnishing inspection services, when such agency has been approved by the code official.

PART III – IECC-RESIDENTIAL

Add a new definition to the International Energy Conservation Code-Residential as follows:

IECC SECTION R202 (IRC N1101.9) GENERAL DEFINITIONS

APPROVED AGENCY. An established and recognized agency regularly engaged in conducting tests or furnishing inspection services, when such agency has been approved by the code official.

Reason: This proposal was submitted by the ICC Sustainability Energy and High Performance Code Action Committee (SEHPCAC). The SEHPCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance assigned International Codes or portion thereof. This includes both the technical aspects of the codes as well as the code content in terms of scope and application of referenced standards. Since its inception in July, 2011, the SEHPCAC has held 3 open meetings and over 30 workgroup calls which included members of the SEHPCAC as well as any interested party to discuss and debate proposed changes and public comments. Related documentation and reports are posted on the SEHPCAC website at: <http://www.iccsafe.org/cs/SEHPCAC/Pages/default.aspx>.

Reasons for this specific proposal:

Part I – These revisions are for consistency across codes with the defined term.

Part II and III - The term 'approved agency' is used in the IECC, but not defined. While the term is defined in the *International Building Code*, and therefore available for application to the IECC, the SEHPCAC believes that the definition should be included in the IECC so that it is readily available for code users and the term is consistently applied.

Cost Impact: This code change proposal will not increase the cost of construction.

Staff analysis: The term "Approved Agency" is currently defined in the IBC, IFGC, IMC, IPC, IRC, ISPSC and IgCC. In the IBC, IPC, IMC and IPC, this definition is scoped to Administration. The term proposed for the IECC is the same as defined in the IRC and the ISPSC.

ADM57-13

PART I – IBC; IFGC; IMC; IPC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IECC-COMMERCIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – IECC-RESIDENTIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

C202-APPROVED AGENCY-THOMPSON-SEHPCAC.doc

ADM58 – 13

PART I - IBC: 202; IEBC: 202;

PART II - IRC: R202;

PART III - ISPSC: 202

THIS IS A 3 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART III WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Charles S. Bajnai, Chesterfield County, VA, ICC Building Code Action Committee (bajnaic@chesterfield.gov)

PART I – IBC; IEBC

Revise the International Building Code as follows:

IBC SECTION 202 DEFINITIONS

[A] REPAIR. The reconstruction or renewal of any part of an existing building ~~for the purpose of its maintenance.~~

Revise the International Existing Building Code as follows:

IEBC SECTION 202 DEFINITIONS

[A] REPAIR. The ~~restoration to good or sound condition~~ reconstruction or renewal of any part of an existing building ~~for the purpose of its maintenance.~~

PART II – IRC

Revise the International Residential Code as follows:

IRC SECTION R202 DEFINITIONS

REPAIR. The reconstruction or renewal of any part of an existing building ~~for the purpose of its maintenance.~~ For definitions applicable in Chapter 11, see Section N1101.9.

PART III – ISPSC

Revise the International Swimming Pool and Spa Code as follows:

ISPSC SECTION 202 DEFINITIONS

REPAIR. The ~~restoration to good or sound condition~~ reconstruction or renewal of any part of an existing aquatic vessel ~~for the purpose of its maintenance.~~

Reason: This proposal is submitted by the ICC Building Code Action Committee (BCAC). The BCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance an assigned International Code or portion thereof. This includes both the technical aspects of the codes as well as the code content in terms of scope and application of referenced standards. Since its inception in July, 2011, the BCAC has held 6 open meetings and numerous workgroup calls which included members of the

BCAC as well as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: <http://www.iccsafe.org/cs/BCAC/Pages/default.aspx>.

This proposal seeks to unify the definition of repair across the I code family. Currently there are several subtle variations between the definitions in the IBC, the IRC, the IEBC and the IECC where the word "repair" is defined. We are proposing to use the broadest possible definition of repair, that from the IECC, which removes the qualifying language "for the purpose of its maintenance" that is found in the IBC, IRC and IEBC definitions of repair. This change would properly put the categorization of work on existing buildings, which are: repair, alteration, addition or change of occupancy, into the technical body of the code not in a definition. Repair is defined in the body of each "I" code and should not rely on the maintenance restriction contained in the definition. What constitutes an "addition" is clear, both in conventional terms and as defined in the codes. A change of occupancy is well understood and easy to categorize. Alterations, while including the concept of renovation to existing conditions is generally thought of as making changes within the envelope of an existing building. This new definition will be consistent with the language in all of the "I" codes where the term repair is used.

Cost Impact: This proposal will not increase the cost of construction.

Staff analysis: The definition for Repair is also the both the commercial and residential portions of the IECC.

ADM58-13

PART I – IBC, IEBC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – ISPSC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

[A] REPAIR-G-BAJNAI-BCAC

ADM59 – 13

PART I – IBC: 202; IEBC: 202

PART II - IRC: R202

PART III - ISPSC: 202

THIS IS A 3 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART III WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Jeremiah Williams, U.S. Department of Energy (jeremiah.williams@ee.doe.gov)

PART I – IBC; IEBC

Revise the International Building Code as follows:

IBC SECTION 202 DEFINITIONS

[A] REPAIR. The reconstruction or renewal of any part of an existing building ~~for the purpose of its maintenance.~~

Revise the International Existing Building Code as follows:

IEBC SECTION 202 DEFINITIONS

[A] REPAIR. The ~~restoration to good or sound condition~~ reconstruction or renewal of any part of an existing building ~~for the purpose of its maintenance.~~

PART II – IRC

Revise the International Residential Code as follows:

IRC SECTION R202 DEFINITIONS

REPAIR. The reconstruction or renewal of any part of an existing building ~~for the purpose of its maintenance.~~ For definitions applicable in Chapter 11, see Section N1101.9.

PART III – ISPSC

Revise the International Swimming Pool and Spa Code as follows:

ISPSC SECTION 202 DEFINITIONS

REPAIR. The ~~restoration to good or sound condition~~ reconstruction or renewal of any part of an existing aquatic vessel ~~for the purpose of its maintenance.~~

Reason: This proposal expands definition of "repair" to include retrofits and changes to energy systems for consistency with the 2012 International Energy Conservation Code (IECC). The terms "good" and "sound" are not used in the ICC codes and are subjective. The wording "for the purpose of its maintenance" is a reason for the text but not relevant to a definition. Adding "restoration or renewal" clarifies the definition of this term and makes it consistent with the IBC definition. This is especially important in the IECC because this definition and the definition of alteration are key to determining which of Chapters 6, 7, 8, and/or 9 are applicable to the work being conducted. .

There is no cost impact other than ensuring that something not considered within the scope of the International Existing Buildings Code (IEBC) would now, through clarification, be considered.

Cost Impact: The code change proposal will increase the cost of construction in some buildings.

Staff analysis: The definition for Repair is also the both the commercial and residential portions of the IECC.

ADM59-13

PART I – IBC; IEBC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – ISPSC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

202-REPAIR-EB-WILLIAMS.doc

ADM60 – 13

PART I - IBC: 202; IEBC: 202;

PART II - IECC: C202;

PART III - IECC: R202 (IRC N1101.9);

PART IV - IRC: R202;

PART V - ISPSC: 202

THIS IS A 5 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART V WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Maureen Traxler, City of Seattle, representing Seattle Department of Planning and Development (maureen.traxler@seattle.gov)

PART I – IBC; IEBC

Revise the International Building Code as follows:

IBC SECTION 202 DEFINITIONS

[A] REPAIR. The reconstruction or renewal of any part of an existing building for the purpose of its maintenance or to correct damage.

Revise the International Existing Building Code as follows:

IEBC SECTION 202 DEFINITIONS

[A] REPAIR. The ~~restoration to good or sound condition~~ reconstruction or renewal of any part of an existing building for the purpose of its maintenance or to correct damage.

PART II – IECC-COMMERCIAL

Revise the International Energy Conservation Code-Commercial as follows:

IECC SECTION C202 GENERAL DEFINITIONS

REPAIR. The reconstruction or renewal of any part of an existing building for the purpose of its maintenance or to correct damage.

PART III – IECC-RESIDENTIAL

Revise the International Energy Conservation Code-Residential as follows:

IECC SECTION R202 (IRC N1101.9) GENERAL DEFINITIONS

REPAIR. The reconstruction or renewal of any part of an existing building for the purpose of its maintenance or to correct damage.

PART IV – IRC

Revise the International Residential Code as follows:

IRC SECTION R202 DEFINITIONS

REPAIR. The reconstruction or renewal of any part of an existing building for the purpose of its maintenance or to correct damage. For definitions applicable in Chapter 11, see Section N1101.9.

PART V – ISPSC

Revise the International Swimming Pool and Spa Code as follows:

ISPSC SECTION 202 DEFINITIONS

REPAIR. The ~~restoration to good or sound condition~~ reconstruction or renewal of any part of an existing aquatic vessel for the purpose of its maintenance or to correct damage.

Reason: We are proposing the definition be modified in each of the codes in which it appears. The identical definition appears in the IBC, IEBC, IRC and ISPSC--4 of the 6 ICC codes in which it appears. The IECC definition is "The reconstruction or renewal of any part of an existing building." Note that the term is not defined in the IFC, IMC, IFGC, IPC or IPSDC. The definition of 'repair' in the IGCC definition is identical except that it includes building sites as well as buildings, and can be addressed in Group C.

Limiting repairs to maintenance is not consistent with the use of the term in the codes. IBC Section 3405.1 and IEBC Section 404.1, Repairs, specifically state that repair includes correction of damage. "Work on nondamaged components that is necessary for the required *repair* of damaged components shall be considered part of the *repair* and shall not be subject to the requirements for *alterations* in this chapter." IEBC Section 606.2 deals with repairs to damaged buildings—explicitly including correction of damage, which in many cases would be more than "maintenance".

Another possible solution to this inconsistency would be to delete the phrase "for the purpose of its maintenance" as the term is defined in the IECC. However, adding damage to the existing definition more clearly distinguishes repairs from alterations.

Cost Impact: None.

ADM60-13

PART I – IBC; IEBC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART II – IECC-COMMERCIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART III – IECC-RESIDENTIAL

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART IV – IRC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

PART V – ISPSC

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

[A] REPAIR-G-TRAXLER

ADM61 – 13

IRC: R202

THIS CHANGE WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

Proponent: Paul Armstrong, PE, CBO; Orange Empire Chapter – Code Committee, Orange Empire Chapter

Revise the International Residential Code as follows:

IRC SECTION R202 DEFINITIONS

IRC TOWNHOUSE. A single-family *dwelling unit* constructed in a group of three or more attached units in which each unit extends from the foundation to roof and with open space ~~a yard or public way~~ on at least two or more sides.

Reason: The purpose of this change is to coordinate the definitions of Townhouse between the IRC and IBC. The proposal intends to use the definition in the 2012 IBC in both codes. The current inconsistency found is a problem in determining the application of the codes. The example is a townhouse design using a court on one of the sides. The IBC in the Scope, Section 101.2, would refer the designer to the IRC for the design of the project but the IRC, based on its definition, would not be allowed whether the project meets all the other criteria or not. So the user is back to the IBC and its definition does allow the design of the project. However, there are no provisions specific for townhouses in the IBC. So the definition the IBC is really only useful for determining the application of the IRC or IBC and needs to be consistent between the two codes.

Definitions are vital in understanding the application of all codes. While differences can exist between codes in the ICC family of codes, those definitions that are used in determining the application of one code or another should be consistent.

Cost Impact: The code change proposal will not increase the cost of construction.

Staff Analysis: Townhouse is defined in the IBC and IRC.

ADM61-13

Public Hearing:	Committee:	AS	AM	D
	Assembly:	ASF	AMF	DF

R202-TOWNHOUSE-RB-ARMSTRONG

ADM62-13**IBC, IECC, IEBC, IFC, IFGC, IgCC, IMC, IPC, IPMC, IRC, and the ISPSC**

The following table provides a comprehensive list of all standards that the respective standards promulgators have indicated have been, or will be, updated from the listing in the 2012 Editions of the International Codes. According to Section 4.5.1 of ICC Council Policy #CP 28, Code Development Policy, the updating of standards referenced by the Codes shall be accomplished administratively by the Administrative code development committee. Therefore, referenced standards that are to be updated for the 2015 edition of any of the I-Codes are listed in this single code change proposal. Note that the table below indicates the change to the standard, and the code or codes in which each standard appears. The list includes standards that the promulgators have already updated or will have updated by December 1, 2014.

**4.5.1 Standards referenced in the I-Codes: The updating of standards referenced by the Codes shall be accomplished administratively by the Administrative code development committee in accordance with these full procedures except that the deadline for availability of the updated standard and receipt by the Secretariat shall be December 1 of the third year of each code cycle. The published version of the new edition of the Code which references the standard will refer to the updated edition of the standard. If the standard is not available by the deadline, the edition of the standard as referenced by the newly published Code shall revert back to the reference contained in the previous edition and an errata to the Code issued. Multiple standards to be updated may be included in a single proposal.*

AA**Aluminum Association****Standard
Reference
Number****Title****Referenced in Code(s):**ADM 1-2010 2015Aluminum Design Manual: Part I
Specification for Aluminum
Structures

IBC

AAMA**American Architectural Manufacturers Association****Standard
Reference
Number****Title****Referenced in Code(s):**450-09 10Voluntary Performance Rating
Method for Muller Fenestration
Assemblies

IRC

506-08 11Voluntary Specifications for
Hurricane Impact and Cycle
Testing of Fenestration Products

IRC

711-07 13Voluntary Specification for Self
Adhering Flashing Used for
Installation of Exterior Wall
Fenestration Products

IRC

1402-86 09Standard Specification for
Aluminum Siding, Soffit and
Fascia

IBC

ACCA**Air Conditioning Contractors of America****Standard
Reference
Number****Title****Referenced in Code(s):**Manual D-09 2011

Residential Duct Systems

IMC

IRC

Manual J-2011

Residential Load Calculation -
Eighth Edition

IRC

IECC-R

Manual S-40 13

Residential Equipment Selection

IRC

IECC-R

180-2008 2012Standard Practice for Inspection
and Maintenance of Commercial
Building HVAC Systems

IMC

IRC

183-2007 (reaffirmed 2011)

Peak Cooling and Heating Load

IMC

IECC

	Calculations in Buildings Except Low-Rise Residential Buildings								
ACI		American Concrete Institute							
Standard Reference Number	Title	Referenced in Code(s):							
216.1-07 <u>14</u>	Standard Method Code Requirements for Determining Fire Resistance of Concrete and Masonry Construction Assemblies	IBC							
304.2R-04 <u>96</u>	Placing Concrete by Pumping Methods (Reapproved 2008)	ISPSC							
305.1-06 <u>14</u>	Specification for Hot Weather Concreting	ISPSC							
308.1-98 <u>11</u>	Standard Specification for Curing Concrete	ISPSC							
318-44 <u>14</u>	Building Code Requirements for Structural Concrete	IBC	IRC	ISPSC					
332-40 <u>14</u>	Residential Code Requirements for Structural Concrete Construction	IRC							
506.2-95 <u>13</u>	Specification for Shotcrete	ISPSC							
530-44 <u>13</u>	Building Code Requirements for Masonry Structures	IBC	IRC						
530.1-44 <u>13</u>	Specifications for Masonry Structures	IBC	IRC						
AF&PA AWC		American Forest & Paper Association American Wood Council							
Standard Reference Number	Title	Referenced in Code(s):							
AF&PA AWC STJR—2012-2015	Span Tables for Joists and Rafters	IBC	IRC						
ANSI/AF&PA AWC WFCM—2012 2015	Wood Frame Construction Manual for One- and Two-Family Dwellings	IBC	IRC						
ANSI/AWC NDS-2012 2015	National Design Specification (NDS) for Wood Construction - with 2012 Supplement	IBC	IRC						
ANSI/AF&PA AWC SDPWS—2008-2015	Special Design Provisions for Wind and Seismic	IBC							
AF&PA AWC WCD No. 4-2003	Wood Construction Data-Plank and Beam Framing for Residential Buildings	IBC							
ANSI/AF&PA AWC PWF—2007-2015	Permanent Wood Foundation Design Specification	IBC	IRC						
AHRI		Air Conditioning, Heating and Refrigeration Institute							
Standard Reference Number	Title	Referenced in Code(s):							
210/240-2008 with Addenda 1 and 2	Performance Rating of Unitary Air-Conditioning and Air-Source Heat Pump Equipment	IECC-C							
310/380-2004 (CSA - C744-04)	Standard for Packaged Terminal Air-Conditioners and Heat Pumps	IECC-C							
340/360-2007 with Addendum 2	Performance Rating of Commercial and Industrial Unitary Air-Conditioning and Heat Pump Equipment	IECC-C							

365 (I-P)-2009	Commercial and Industrial Unitary Air-Conditioning Condensing Units	IECC-C							
366 (SI)-2009	Commercial and Industrial Unitary Air-Conditioning Condensing Units	IECC-C							
400-2001 with Addenda 1 and 2	Liquid to Liquid Heat Exchangers with Addendum 2	IECC-C							
440-2008	Performance Rating of Room Fan-Coils	IECC-C							
460-2005	Performance Rating of Remote Mechanical-Draft Air-Cooled Refrigerant Condensers	IECC-C							
550/590-03 2011 with Addendum 1	Performance Rating of Water-Chilling Packages and Heat Pump Water-Heating Packages Using the Vapor Compression Cycle with Addenda	IECC-C							
700- 2006 2011 with Addendum 1	Purity Specifications for Fluorocarbon and Other Refrigerants	IECC-C							
870-2009 05	Performance Rating of Direct Geoexchange Heat Pumps	IECC-C							
1160-08 (I-P) 09	Performance Rating of Heat Pump z21.56	IECC-C	ISPSC						
11601 (SI)- 08 -2011	Performance Rating of Heat Pump Pool Heaters	IECC-C	ISPSC						
13256-1(2005) (2011)	Water-Source Heat Pumps – Water-to-Air and Brine-to-Air Heat Pumps – Testing and Rating for Performance: Part 1–	IECC-C							
13256-2(1998) (2011)	Water-source Heat Pumps Water-to-Water and Brine-to-water Heat Pumps - Testing and Rating For Performance: Part 2:	IECC-C							
AISI	American Iron and Steel Institute								
Standard Reference Number	Title	Referenced in Code(s):							
AISI S100-07/S2-10 12	North American Specification for the Design of Cold Formed Steel Structural Members with Supplement 2, dated 2010-2012	IBC	IRC						
AISI S110-07/S1-09 (2012)	Standard for Seismic Design of Cold-Formed Steel Structural Systems-Special Moment Frames, 2007 with Supplement 1, dated 2009, (2012)	IBC							
AISI S200-07 2012	North American Standard for Cold-Formed Steel Framing - General Provisions	IBC							

AISI S210-07 <u>2012</u>	North American Standard for Cold-formed Steel Framing-Floor and Roof System Design, <u>2007</u> , (2012)	IBC							
AISI S211-07/S1-12 (2012)	North American Standard for Cold-Formed Steel Framing-Wall Stud Design, <u>2007</u> , including Supplement 1, dated 2012, (2012)	IBC							
AISI S212-07 (2012)	North American Standard for Cold-Formed Steel Framing-Header Design, <u>2007</u> , (2012)	IBC							
AISI S213-07/S1-09 (2012)	North American Standard for Cold-Formed Steel Framing-Lateral Design, with Supplement 1, dated 2009, (2012)	IBC							
AISI S214-07 <u>12</u>	North American Standard for Cold-Formed Steel Framing - Truss Design with Supplement 2, dated 2008, 2012	IBC							
AISI S230-07-07/S2-08 /S3-12 (2012)	Standard for Cold-formed Steel Framing-Prescriptive Method for One- and Two-family Dwellings, <u>2007</u> , with Supplement 2 3, dated 2008 dated 2012, (2012)	IRC	IBC						
AITC	American Institute of Timber Construction (Please note that the AITC is no longer promulgating ICC standards. Standards previously promulgated by AITC are now being handled by APA and WCLIB.)								
Standard Reference Number	Title	Referenced in Code(s):							
ALI	Automotive Lift Institute								
Standard Reference Number	Title	Referenced in Code(s):							
ALI/ALCTV-2006 <u>2011</u>	Standard for Automotive Lifts - Safety Requirements for Construction, Testing, and Validation (ANSI)	IBC							
AMCA	Air Movement and Control Association International								
Standard Reference Number	Title	Referenced in Code(s):							
205-40 <u>12</u>	Energy Efficiency Classification for Fans	IgCC							
220-05 <u>08</u>	Laboratory Methods of Testing Air Curtain Units for Aerodynamic Performance Rating	IgCC							
500D-40 <u>12</u>	Laboratory Methods for Testing Dampers for Rating	IECC-C							
ANSI	American National Standards Institute								
Standard Reference Number	Title	Referenced in Code(s):							
Z97.1- 09 <u>2014</u>	Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test	IBC	IRC						
ANSI A137.1-88 2012	American National Standard Specifications for Ceramic Tile	IBC	IRC						

<u>Z21.50/CSA 2.22-2007 2012</u>	Vented Gas Fireplaces	IRC	IFGC	IgCC					
<u>Z21.88/CSA 2.33-09 2015</u>	Vented Gas Fireplace Heaters	IRC	IFGC	IgCC					
<u>LC 1/CSA 6.26-2005 2013</u>	Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)	IFGC							
<u>LC 4/CSA 6.32-2007 2012</u>	Press-Connect Metallic Fittings for Use in Fuel Gas Distribution Systems	IFGC	IRC						
<u>Z21.1-2005 2010</u>	Household Gas Cooking Appliances	IFGC	IRC						
<u>Z21.5.1/CSA 7.1-2006 2014</u>	Gas Clothes Dryers - Volume I - Type 1 Clothes Dryer	IFGC	IRC						
<u>Z21.5.2/CSA 7.2-2005 2014</u>	Gas Clothes Dryers - Volume II - Type 2 Clothes Dryer	IFGC							
<u>Z21.10.1/CSA 4.1-2009 2012</u>	Gas Water Heaters - Volume I - Storage Water Heaters with Input Ratings of 75,000 Btu per Hour or Less	IFGC	IRC						
<u>Z21.10.3/CSA 4.3-2004 2011</u>	Gas Water Heaters - Volume III - Storage Water Heaters with Input Ratings Above 75,000 Btu per Hour, Circulating or Instantaneous	IFGC	IRC						
<u>Z21.11.2-2007 2011</u>	Gas-Fired Room Heaters - Volume II - Unvented Room Heaters	IFGC	IRC						
<u>Z21.13/CSA 4.9-2010 2011</u>	Gas-Fired Low Pressure Steam and Hot Water Boilers	IFGC	IRC						
<u>A21.40.1/CSA 2.91-96 (R2002 2011)</u>	Gas-Fired Heat Activated Air Conditioning and Heat Pump Appliances	IFGC	IRC						
<u>Z21.40.2/CSA 2.92-96 (R2002 2011)</u>	Air-Conditioning and Heat Pump Appliances (Thermal Combustion)	IFGC	IRC						
<u>Z21.42-1993 (R2002) 2014</u>	Gas-Fired Illuminating Appliances	IFGC	IRC						
<u>Z21.47/CSA 2.3-2007 2012</u>	Gas-Fired Central Furnaces	IFGC	IRC						
<u>Z21.50/CSA 2.22-2006 2012</u>	Vented Gas Fireplaces	IFGC	IRC						
<u>Z21.56/CSA 4.7-2007 2013</u>	Gas-Fired Pool Heaters	IFGC	ISPSC	IRC					
<u>Z21.58/CSA 1.6-2003 2013</u>	Outdoor Cooking Gas Appliances	IFGC	IRC						
<u>Z21.60/CSA 2.26-2003 2012</u>	Decorative Gas Appliances for Installation in Solid-fuel Burning Fireplaces	IFGC	IRC						
<u>Z21.80/CSA 6.22-2003 (R2008) 2011</u>	Line Pressure Regulators	IFGC	IRC						
<u>Z21.84-2002 2012</u>	Manually-lighted, Natural Gas Decorative Gas Appliances for Installation in Solid Fuel Burning Fireplaces	IFGC	IRC						
<u>Z21.88/CSA 2.33-2009 2015</u>	Vented Gas Fireplace Heaters	IFGC	IRC						
<u>Z21.97-2009 2012</u>	Outdoor Decorative Appliances	IFGC	IRC						
<u>Z83.4/CSA 3.7-2003 2012</u>	Non-Recirculating Direct Gas-fired Industrial Air Heaters	IFGC							
<u>Z83.6-90 (R1998) withdrawn replaced with Z83.19 & Z83.20</u>	Gas-fired Infrared Heaters	IFGC	IRC						
<u>Z83.11/CSA 1.8-2006 2013</u>	Gas Food Service Equipment	IFGC							
<u>Z83.18-2004 2012</u>	Recirculating Direct Gas-fired Industrial Air Heaters	IFGC							
<u>Z83.19-2001 (R2005 2009)</u>	Gas-fired High Intensity Infrared Heaters	IFGC	IRC						
<u>Z124.1-95-replaced with CSA B45.5-11/ IAPMO Z124-11</u>	Plastic Bathtub Units Plumbing Fixtures	IPC	IRC						
<u>Z124.1.2-2005-replaced with CSA B45.5-11/ IAPMO Z124-11</u>	Plastic Bathtub and Shower Units Plumbing Fixtures	IPC	IRC						
<u>Z124.2-95-replaced with CSA B45.5-11/ IAPMO Z124-11</u>	Plastic Shower Receptors and Shower Stalls Plumbing Fixtures	IPC	IRC						

Z124.3-95-replaced with <u>CSA B45.5-11/ IAPMO Z124-11</u>	Plastic Lavatories- Plumbing Fixtures	IPC	IRC						
Z124.4-96-replaced with <u>CSA B45.5-11/ IAPMO Z124-11</u>	Plastic Water-Closet-Bowls-and Tanks- Plumbing Fixtures	IPC	IRC						
Z124.6-97-replaced with <u>CSA B45.5-11/ IAPMO Z124-11</u>	Plastic Sinks- Plumbing Fixtures	IPC	IRC						
Z124.7-97-replaced with <u>IAPMO Z124.7-2012</u>	Prefabricated Plastic Spa Shells	ISPSC							
Z124.9-94-replaced with <u>CSA B45.5-11/ IAPMO Z124-11</u>	Plastic Urinal-Fixtures- Plumbing Fixtures	IPC	IRC						
APA	APA -The Engineered Wood Association								
Standard Reference Number	Title	Referenced in Code(s):							
ANSI/AITC A 190.1 – 07 <u>12</u>	Structural Glued-Laminated Timber	IBC	IRC	IgCC					
APA E30-03 <u>11</u>	Engineered Wood Construction Guide	IRC							
APA PDS 04 <u>12</u>	Panel Design Specification	IBC							
APA PDS Supplement 5-08 <u>12</u>	Design and Fabrication of All-Plywood Beams (revised 2008 2013)	IBC							
APA PDS Supplement 1-90 <u>12</u>	Design and Fabrication of Plywood Curved Panels (revised 1995 2013)	IBC							
APA PDS Supplement 4-90 <u>12</u>	Design and Fabrication of Plywood Sandwich Panels (revised 1993 2013)	IBC							
APA PDS Supplement 3-90 <u>12</u>	Design and Fabrication of Plywood Stressed-skin Panels (revised 1996 2013)	IBC							
APA PDS Supplement 2-92 <u>12</u>	Design and Fabrication of Glued Plywood-lumber Beams (revised 1998 2013)	IBC							
EWS R540-02 <u>12</u>	Builders Tips: Proper Storage and Handling of Glulam Beams	IBC							
EWS S475-04 <u>07</u>	Glued Laminated Beam Design Tables	IBC							
EWS S560-03 <u>10</u>	Field Notching and Drilling of Glued Laminated Timber Beams	IBC							
EWS T300-05 <u>07</u>	Glulam Connection Details	IBC							
EWS X440-03 <u>08</u>	Product Guide - Glulam	IBC							
API	API –American Petroleum Institute								
Standard Reference Number	Title	Referenced in Code(s):							
Publ 2009 7 th Edition (2002, R2012)	Safe Welding and Cutting Practices in Refineries, Gas Plants and Petrochemical Plants	IFC							
Publ 2023 3 rd Edition (R2001, R2006)	Guide for Safe Storage and Handling of Heated Petroleum-Derived Asphalt Products and Crude Oil Residue	IFC							
Publ 2028 3 rd Edition (2002, R2012)	Flame Arrestors in Piping Systems	IFC							
Publ 2201 5 th Edition (2003, 2010)	Procedures for Welding or Hot Tapping on Equipment in Service	IFC							
RP 651 (1997) 3 rd Edition (2007)	Cathodic Protection of Aboveground Petroleum Storage	IFC							

	Tanks								
RP 752 (2003) <u>3rd Edition (2009)</u>	Management of Hazards Associated with Location of Process Plant Buildings, CMA Manager's Guide	IFC							
RP 1604 (1996) <u>3rd Edition, R2010)</u>	Closure of Underground Petroleum Storage Tanks	IFC							
RP 1615 (1996) <u>6th Edition (2011)</u>	Installation of Underground Petroleum Storage Systems	IFC							
RP 2001 (2005) <u>9th Edition (2012)</u>	Fire Protection in Refineries	IFC							
RP 2350 (2005) <u>4th Edition (2012)</u>	Overfill Protection for Storage Tanks in Petroleum Facilities, 3rd Edition	IFC							
RP 2003 (1998) <u>7th Edition (2008)</u>	Protection Against Ignitions Arising out of Static, Lightening, and Stray Currents	IFC							
Spec 12P <u>3rd Edition (1995) (Reaffirmed 2009)</u>	Specification for Fiberglass Reinforced Plastic Tanks	IFC							
Std 653 (2004) <u>4th Edition (2009) (2009)</u>	Tank Inspection, Repair, Alteration and Reconstruction	IFC							
Std 2015 <u>6th Edition (2001, R2006)</u>	Safe Entry and Cleaning of Petroleum Storage Tanks	IFC							
Std 2000 <u>6th Edition (1998) 2009</u>	Venting Atmosphere and Low-pressure Storage Tanks: Nonrefrigerated and Refrigerated	IFC							
APHA	American Public Health Association								
Standard Reference Number	Title	Referenced in Code(s):							
2005 2012	Standard Methods for Examination of Water and Waste water 24 2nd Edition	IgCC							
APSP	The Association of Pool & Spa Professionals								
Standard Reference Number	Title	Referenced in Code(s):							
ANSI/NSPI <u>APSP/ICC 3-99 2013</u>	Standard for Permanently Installed Residential Spas	IRC							
ANSI/NSPI <u>APSP/ICC 4-2007 2012</u>	Standard for Above-ground/On-ground residential swimming pools	IRC							
ANSI/NSPI <u>APSP/ICC 5-2003 2011</u>	Standard for Residential In-Ground Swimming Pools	IRC							
ANSI/NSPI <u>APSP/ICC 6-2009 2013</u>	Standard for Residential Portable Spas	IRC							
ANSI/APSP/ICC <u>7-06 2013</u>	Standard for Suction Entrapment Avoidance in Swimming Pools, Wading Pools, Spas, Hot Tubs, and Catch Basins	IBC	IRC	ISPC					
ANSI/APSP/ICC <u>14-11</u>	Portable Spa Energy Efficiency Standard	IPSPC							
ANSI/APSP/ICC <u>15-11</u>	Standard for Energy Efficiency for Residential Inground Swimming Pools and Spas <u>with Addenda A Approved 2013)</u>	ISPC							

ANSI/APSP/ICC16-11	<u>Standard for Suction Fittings for Use in Swimming Pools, Wading Pools, Spas and Hot Tubs</u>	ISPSC							
ASABE	American Society of Agricultural & Biological Engineers								
Standard Reference Number	Title	Referenced in Code(s):							
EP 559.1 1997 W/Corr. 1 DEC 1996 (R2008) <u>AUG2010</u>	Design Requirements and Bending Properties for Mechanically Laminated <u>Wood Columns Assemblies</u>	IBC							
EP 486.1 2 DEC 1999 (R2005) <u>OCT2012</u>	Shallow Post and Pier Foundation Design	IBC							
EP542- <u>FEB1999 99(R2009)</u>	Procedures for Using and Reporting Data Obtained with the Soil Cone Penetrometer	IgCC							
S313.3-99 FEB1999 (R2009)	Soil Cone Penetrometer	IgCC							
ASCE/SEI	American Society of Civil Engineers/Structural Engineers Institute								
Standard Reference Number	Title	Referenced in Code(s):							
5—11 <u>13</u>	Building Code Requirements for Masonry Structures	IBC	IRC						
6—11 <u>13</u>	Specification for Masonry Structures	IBC	IRC						
7—10	Minimum Design Loads for Buildings and Other Structures with Supplement No. 1	IBC	IEBC	IRC					
8—02 <u>14</u>	Standard Specification for the Design of Cold-formed Stainless Steel Structural Members	IBC							
24-05 <u>13</u>	Flood Resistant Design and Construction	IBC	ISPSC	IRC					
29-05 <u>14</u>	Standard Calculation Methods for Structural Fire Protection	IBC							
31-03- 41-13 Note: will be incorporated into ASCE 41-13	Seismic <u>Evaluation and Retrofit Rehabilitation</u> of Existing Buildings	IEBC							
32-01	Design and Construction of Frost Protected Shallow Foundations	IBC	IRC						
41-06 <u>13</u>	Seismic <u>Evaluation and Retrofit Rehabilitation</u> of Existing Buildings	IEBC							
ASHRAE	American Society of Heating, Refrigerating and Air Conditioning Engineers								
Standard Reference Number	Title	Referenced in Code(s):							
15-2010 <u>2013</u>	Safety Standard for Refrigeration Systems	IMC							

34-2010 <u>2013</u>	Designation and Safety Classification of Refrigerants	IRC	IMC						
52.2-2007 <u>2012</u>	Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size	IgCC							
55-2004 <u>2010</u>	Thermal Environmental Conditions on Human Occupancy	IgCC							
62.1-2010 <u>2013</u>	Ventilation for Acceptable Indoor Air Quality	IMC	IECC	IEBC	IgCC				
90.1-2010 <u>2013</u>	Energy Standard for Buildings Except Low-Rise Residential Buildings including Addendum G (ANSI/ASHRAE/IESNA 90.1-2007)	IECC	IgCC						
140-2010 <u>11</u>	Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs	IECC							
146-2006 <u>2011</u>	Testing for Rating Pool Heaters	IECC							
180-08 <u>2012</u>	Standard Practice for Inspection and Maintenance of Commercial Building HVAC Systems	IMC							
ANSI/ASHRAE/ACCA 183-2007 (RA2011)	Peak Cooling and Heating Load Calculations in Buildings, Except Low-rise Residential Buildings	IECC							
ASHRAE-2004 <u>2012</u>	HVAC Systems and Equipment Handbook - 2004	IMC	IECC						
ASHRAE-2009 <u>2013</u>	ASHRAE Handbook of Fundamentals	IRC	IECC-R	IMC					
13256-1(2005) <u>1998 (RA 2012)</u>	Water-source Heat Pumps - Testing and Rating for Performance - Part 1: Water-to-Air and Brine-to-Air Heat Pumps (ANSI/ASHRAE/IESNA 90.1-2004)	IECC							

ASME		American Society of Mechanical Engineers							
Standard Reference Number	Title	Referenced in Code(s):							
		IBC	IFC	IEBC	IRC	IPMC			
ASME A17.1/CSA B44—2007 <u>2013</u>	Safety Code for Elevators and Escalators								
A112.1.3-2000 (Reaffirmed 2005 <u>11</u>)	Air Gap Fittings for Use with Plumbing Fixtures, Appliances, and Appurtenances	IPC	IRC						
A112.3.4-2000 (Reaffirmed 2004) replaced with ASME A112.3.4-2013/CSA B45.9-13	Macerating Toilet Systems and Related Components	IPC	IRC						
A112.4.1-1993 (Reaffirmed 2002) <u>2009</u>	Water Heater Relief Valve Drain Tubes	IPC	IRC						
A112.4.2-2003 (R2008) <u>2009</u>	Water Closet Personal Hygiene Devices	IPC							
A112.4.3-1999 (Reaffirmed 2004 <u>10</u>)	Plastic Fittings for Connecting Water Closets to the Sanitary Drainage System	IPC	IRC						
A112.6.1M-1997 (Reaffirmed 2002 <u>08</u>)	Floor-Affixed Supports for Off-the-Floor Plumbing Fixtures for Public Use	IPC	IRC						
A112.6.2-2000 (Reaffirmed 2004 <u>10</u>)	Framing-Affixed Supports for Off-the-Floor Water Closets with Concealed Tanks	IPC	IRC						
A112.6.3-2001 (Reaffirmed 2007)	Floor and Trench Drains	IPC	IRC						
A112.6.7-2001 (Reaffirmed 2007) <u>2010</u>	Enameled and Epoxy Coated Cast Iron and PVC Plastic Sanitary Floor Sinks	IPC							

A112.6.9-2005 (R2010)	Siphonic Roof Drains	IPC							
ASME A112.18.1-2005 2012/ CSA B125.1-2005 2012	Plumbing Supply Fittings	IPC	IRC						
ASME A112.18.2-2005 2011/ CSA B125.2-2005 2011	Plumbing Waste Fittings	IPC	IRC						
ASME A112.19.1-2013/ CSA B45.2-08 13	Enameled Cast-Iron and Enameled Steel Plumbing Fixtures	IPC	IRC						
ASME A112.19.2-2008 2013/ CSA B45.1-08 13	Ceramic Plumbing Fixtures	IPC	IRC						
ASME A112.19.3-2008/ CSA B45.4-08(R2013)	Stainless-Steel Plumbing Fixtures	IPC	IRC						
ASME A112.19.5-2011/ CSA/B45.15-09 11	Flush Valves and Spuds Trim for Water Closets, Urinals, Bowls and Tanks	IPC	IRC						
ASME A112.19.7-2012/ CSA B45.10-09 2012	Hydromassage Bathtubs Appliances Systems	IPC	IRC						
B16.1-2005 2010	Cast Gray Iron Pipe Flanges and Flanged Fittings, Classes 25, 125 and 250	IFGC							
B16.3-2006 2011	Malleable Iron Threaded Fittings Classes 150 and 300	IPC	IRC	IMC					
B16.4—2006 2011	Gray Iron Threaded Fittings Class 125 and 250	IPC	IRC						
B16.5-2003 2009	Pipe Flanges and Flanged Fittings NPS 1/2 Through NPS 24	IMC							
B16.11-2005 2011	Forged Fittings, Socket-Welding and Threaded	IPC	IRC	IMC					
B16.12-1998 (Reaffirmed 2006) 2009	Cast Iron Threaded Drainage Fittings	IPC	IRC						
B16.15-2006 2011	Cast Bronze Threaded Fittings	IRC	IMC	IPC	IPSPC				
B16.18-2001 (Reaffirmed 2005) 2012	Cast Copper Alloy Solder Joint Pressure Fittings	IPC	IBC	IRC	IMC	IFC			
B16.20-1998(Reaffirmed 2007)	Metallic Gaskets for Pipe Flanges: Ring-Joint, Spiral- Wound, and Jacketed	IFGC							
B16.22-2001(Reaffirmed 2005) (R2010)	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings	IPC	IBC	IRC	IFC	IMC			
B16.23-2002 (Reaffirmed 2006) 2011	Cast Copper Alloy Solder Joint Drainage Fittings: DWV	IPC	IRC	IMC					
B16.24-2006 2011	Cast Copper Alloy Pipe Flanges and Flanged Fittings: Class 150, 300, 400, 600, 900, 1500 and 2500	IMC							
B16.26-2006 2011	Cast Copper Alloy Fittings for Flared Copper Tubes	IPC	IRC	IMC					
B16.29-2007 2012	Wrought Copper and Wrought- Copper-Alloy Solder Joint Drainage Fittings - (DWV)	IPC	IRC	IMC					
B16.33-2002(Reaffirmed 2007) 2012	Manually Operated Metallic Gas Valves for Use in Gas Piping Systems up to 125 psig (Sizes 1/2 through 2)	IFGC	IRC						
B31.1-2007 2012	Power Piping	IFC							
B31.3-2004 2012	Process Piping	IBC	IFC						
B31.4-2006 2012	Pipeline Transportation Systems for Liquid Hydrocarbons and other Liquids	IFC							
B31.9—08 2011	Building Services Piping	IFC	IMC						
ASSE 1016/ASME A112.1016/CSA B125.16-2011 is a replacement for ASSE 1016-2010	Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations	IPC	IRC	IqCC					

BPVC-2007 <u>2010/2011 addenda</u>	Boiler & Pressure Vessel Code	IFC	IMC	IFGC	IRC				
CSD-1-2009 <u>2011</u>	Controls and Safety Devices for Automatically Fired Boilers	IMC							
ASPE	American Society of Plumbing Engineers								
Standard Reference Number	Title	Referenced in Code(s):							
45-2007 <u>2013</u>	Siphonic Roof Drainage Systems	IPC							
ASSE	American Society of Sanitary Engineering								
Standard Reference Number	Title	Referenced in Code(s):							
4046-2010 <u>ASSE 1016/ASME A112.1016/CSA B125.16-2011</u>	Performance Requirements for Automatic Compensating, Valves for Individual Showers and Tub/Shower Combinations	IPC	IRC	IgCC					
ASTM	ASTM International								
Standard Reference Number	Title	Referenced in Code(s):							
A53/A 53M-07 <u>12</u>	Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless	IPC	IMC	IRC	IFGC				
A74-09 <u>12</u>	Specification for Cast Iron Soil Pipe and Fittings	IPC	IRC	IPSDC					
A82/A 2M-05a <u>07</u>	Specification for Steel Wire, Plain, for Concrete Reinforcement	IRC							
A106/A 106M-08 <u>11</u>	Specification for Seamless Carbon Steel Pipe for High-Temperature Service	IMC	IRC	IFGC					
A123/A 123M-02 <u>12</u>	Specification of Zinc (Hot-Dip Galvanized) Coating on Iron and Steel Products	IBC							
A126-04(2009)	Specification for Gray Iron Castings for Valves, Flanges, and Pipe Fittings	IMC	IRC						
A153/A153M-05 <u>09</u>	Specification for Zinc Coating (Hot Dip) on Iron and Steel Hardware	IBC	IRC						
A182-40a- <u>12A</u>	Standard Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fittings and Valves and Parts for High-Temperature Service	ISPSC							
A185/A 185M-06E04 <u>07</u>	Specification for Steel Welded Wire Reinforcement, Plain for Concrete	IBC							
A240/A 240M-09 <u>12</u>	Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications	IBC	IRC	IPSPC					
A252-98(2007) <u>10</u>	Specification for Welded and Seamless Steel Pipe Piles	IBC							
A283/A 283M-03(2007) <u>12</u>	Specification for Low and Intermediate Tensile Strength Carbon Steel Plates	IBC							
A307-07b <u>10</u>	Specification for Carbon Steel Bolts and Studs, 60,000 psi Tensile Strength	IBC	IRC						
A312/A 312M-08a <u>12A</u>	Specification for Seamless, and Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes	IPC	IRC	ISPSC					

A377-03 2003(2008)e1*	Index of Specification for Ductile-Iron Pressure Pipe	IRC							
A403-40a 12	Standard Specification for Wrought Austenitic Stainless Steel Pipe Fittings	ISPSC							
A416/A 416M-06 12A	Specification for Steel Strand, Uncoated Seven-Wire for Prestressed Concrete	IBC							
A420/A 420M-07 10A	Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service	IMC							
A421/A 421M- 05 10	Specification for Uncoated Stress-Relieved Steel Wire for Prestressed Concrete	IBC							
A435/A 435M-90 (2007) 2012	Specification for Straight-Beam Ultrasonic Examination of Steel Plates	IBC							
A463M/A 463M-06 10	Specification for Steel Sheet, Aluminum-Coated, by the Hot Dip Process	IBC	IRC						
A480/A480M-06b 12	Specification for General Requirements for Flat-Rolled Stainless and Heat-/Resisting Steel Plate, Sheet and Strip	IBC							
A496-05 07	Specification for Steel Wire, Deformed for Concrete Reinforcement	IBC							
A497 A497M-06e04 07	Specification for Steel Welded Reinforcement Deformed for Concrete	IBC							
A510-08 11	Specification for General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel, Alloy Steel	IBC	IRC						
A572/A 572M-07 12	Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel	IBC							
A588/A 588M-05 40	Specification for High-Strength Low-Alloy Structural Steel with 50 ksi (345 Mpa) Minimum Yield Point, with Atmospheric Corrosion Resistance	IBC							
A615/A 615M-09 12	Specification for Deformed and Plain Billet-Steel Bars for Concrete Reinforcement	IBC	IRC						
A653/A 653M-08 11	Specification for Steel Sheet, Zinc-Coated Galvanized or Zinc-Iron Alloy-Coated Galvannealed by the Hot-Dip Process	IBC	IRC						
A690/690M-07(2012)	Standard Specification for High Strength Low-Alloy Nickel, Copper Phosphorus Steel H-Piles and Sheet Piling with Atmospheric Corrosion Resistance for Use in Marine Environments	IBC							
A706/A 706M-09B	Specification for Low-Alloy Steel Deformed and Plain Bars for Concrete Reinforcement	IBC	IRC						
A722/A 722M-07 12	Specification for Uncoated High-Strength Steel Bar for Prestressing Concrete	IBC							
A733-2003(2009)e1*	Specification for Welded and Seamless Carbon Steel and Austenitic Stainless Steel Pipe Nipples	IPC							
A755/A 755M-03(2008) 2011	Specification for Steel Sheet, Metallic-Coated by the Hot-Dip Process and Prepainted by the Coil-coating Process for Exterior Exposed Building Products	IBC	IRC						

A767/A 767M-05 09	Specification for Zinc-Coated (Galvanized) Steel Bars for Concrete Reinforcement	IBC							
A775/A 775M-07b	Specification for Steel Sheet, Metallic-Coated by the Hot-Dip Process and Prepainted by the Coil-coating Process for Exterior Exposed Building Products	IBC							
A778-01(2009)e1	Specification for Welded Unannealed Austenitic Stainless Steel Tubular Products	IPC	IRC						
A792/A 792M-08 10	Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process	IBC	IRC						
A875/A 875M-06 10	Standard Specification for Steel Sheet Zinc-5%, Aluminum Alloy-Coated by the Hot-Dip Process	IBC	IRC						
A888-09 11	Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Application	IPC	IPSDC	IRC					
A913/A 913M-07 11	Specification for High-Strength Low-Alloy Steel Shapes of Structural Quality, Produced by Quenching and Self-Tempering Process (QST)	IBC							
A924/A 924M-08a 2010a	Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot Dip Process	IBC	IRC						
A951/A951M-06 11	Specification for Steel Wire Masonry Joint Reinforcement	IRC							
A992/A 992M-06a 11	Standard Specification for Structural Shapes	IBC							
A996/A 996M-2009b	Specification for Rail-Steel and Axle-Steel Deformed Bars for Concrete Reinforcement	IRC							
A1003/A 1003M-08 12	Standard Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-formed Framing Members	IRC							
A1008/A1008M-07 12	Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability, Solution Hardened and Bake Hardenable	IBC							
B42-02e04 10	Specification for Seamless Copper Pipe, Standard Sizes	IPC	IBC	IRC	IFC				
B43-98(2004) 09	Specification for Seamless Red Brass Pipe, Standard Sizes	IPC	IBC	IRC	IFC	IMC			
B68-02 11	Specification for Seamless Copper Tube, Bright Annealed	IBC	IFC	IMC					
B75-02 11	Specification for Seamless Copper Tube	IPC	IPSDC	IRC	IMC				
B88-03 09	Specification for Seamless Copper Water Tube	IPC	IBC	IPSDC	IRC	IMC	IFC	IPSPC	
B101-07 12	Specification for Lead-Coated Copper Sheet and Strip for Building Construction	IBC	IRC						
B135-08a 10	Specification for Seamless Brass Tube	IRC	IMC						
B152/B 152M-06a 09	Specification for Copper Sheet, Strip Plate and Rolled Bar	IPC							
B209-07 10	Specification for Aluminum and Aluminum-Alloy Steel and Plate	IBC	IRC						
B210-04 12	Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes	IFGC							

B227-04 <u>10</u>	Specification for Hard-Drawn Copper-Clad Steel Wire	IRC							
B241/B 241M-02 <u>10</u>	Specification for Aluminum and Aluminum-Alloy, Seamless Pipe and Seamless Extruded Tube	IFGC							
B251-02e04 <u>10</u>	Specification for General Requirements for Wrought Seamless Copper and Copper-Alloy Tube	IPC	IPSDC	IBC	IFC	IRC	IMC		
B302-07 <u>12</u>	Specification for Threadless Copper Pipe, Standard Sizes	IPC	IRC	IMC					
B370-09 <u>12</u>	Specification for Cold-Rolled Copper Sheet and Strip for Building Construction	IBC	IRC						
B447-07 <u>12a</u>	Specification for Welded Copper Tube	IPC	IRC						
B633-07 <u>11</u>	Specification for Electrodeposited Coatings of Zinc on Iron and Steel	IRC							
B687-99(2005)e04 (2011)	Specification for Brass, Copper, and Chromium-Plated Pipe Nipples	IPC							
B695-04(2009)	Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel	IBC	IRC						
B813-00(2009) <u>10</u>	Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube	IPC	IPSDC	IRC	IMC				
B828-02(2010)	Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings	IPC	IPSDC	IRC					
C4-04e04 (2009)	Specification for Clay Drain Tile and Perforated Clay Drain Tile	IPC	IPSDC	IRC					
C5-03 <u>10</u>	Specification for Quicklime for Structural Purposes	IBC	IRC						
C14-07 <u>11</u>	Specification for Nonreinforced Concrete Sewer, Storm Drain, and Culvert Pipe	IPC	IPSDC	IRC					
C22/C 22M-00(2005)e04 (2010)	Specification for Gypsum	IBC	IRC						
C27-98(2008)	Specification for Standard Classification of Fireclay and High-Alumina Refractory Brick	IBC	IRC						
C28/C 28M-00(2005) <u>10</u>	Specification for Gypsum Plasters	IBC	IRC						
C31/C 31M-08b <u>12</u>	Practice for Making and Curing Concrete Test Specimens in the Field	IBC							
C33/C33M-08 <u>11a</u>	Specification for Concrete Aggregates	IBC	IRC						
C34-03 <u>10</u>	Specification for Structural Clay Load-Bearing Wall Tile	IBC	IRC						
C35-01(2005)/C35M-1995(2009)	Specification for Inorganic Aggregates for Use in Gypsum Plaster	IBC	IRC						
C36/C 36M-03 Withdrawn Replaced	Specification for Gypsum Wallboard	IBC							
C37/C 37M-04 Withdrawn Replaced	Specification for Gypsum Lath	IBC							
C42/C 42M-04 <u>12</u>	Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	IBC							
C55-06e04 <u>2011</u>	Specification for Concrete Building Brick	IBC	IRC						
C56-05 <u>2010</u>	Specification for Structural Clay Non-Load-Bearing Tile	IBC							
C59/C 59M-00(2006)	Specification for Gypsum Casting Plaster and Molding Plaster	IBC	IRC						

C61/C 61M-00(2006) <u>(2011)</u>	Specification for Gypsum Keene's Cement	IBC	IRC						
C62-08 <u>12</u>	Specification for Building Brick (Solid Masonry Units Made From Clay or Shale)	IBC	IRC						
C67-08 <u>12</u>	Test Methods of Sampling and Testing Brick and Structural Clay Tile	IBC							
C73-05 <u>10</u>	Specification for Calcium Silicate Face Brick (Sand-Lime Brick)	IBC	IRC						
C76-08a <u>12a</u>	Specification for Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe	IPC	IPSDC	IRC					
C90-08 <u>12</u>	Specification for Loadbearing Concrete Masonry Units	IBC	IRC	IECC					
C91-05 <u>12</u>	Specification for Masonry Cement	IBC	IRC						
C94/C 94M-09 <u>12</u>	Specification for Ready-Mixed Concrete	IBC	IRC						
C109/C 109M-05 <u>2001b</u>	Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)	IBC							
C126-99(2005) <u>12</u>	Specification for Ceramic Glazed Structural Clay Facing Tile, Facing Brick, and Solid Masonry Units	IBC							
C129-06 <u>11</u>	Specification for Nonload-bearing Concrete Masonry Units	IBC	IRC						
C140-08a <u>2012a</u>	Test Method Sampling and Testing Concrete Masonry Units and Related Units	IBC	IRC						
C143/C 143M-08 <u>2010a</u>	Test Method for Slump of Hydraulic Cement Concrete	IRC							
C145-85 <i>Withdrawn Combined</i>	Specification for Solid-Load Bearing Concrete Masonry Units	IRC							
C150-07- <u>12</u>	Specification for Portland Cement	IBC	IRC						
C172/C172M-08 <u>10</u>	Practice for Sampling Freshly Mixed Concrete	IBC							
C199-84 (2005) <u>(2011)</u>	Test Method for Pier Test for Refractory Mortars	IBC	IRC						
C203-5a <u>(2012)</u>	Standard Test Methods for Breaking Load and Flexural Properties of Block-type Thermal Insulation	IRC							
C206-03(2009)	Specification for Finishing Hydrated Lime	IBC							
C207-06 <u>2011</u>	Specification for Hydrated Lime for Masonry Purposes	IBC	IRC						
C208-2008a <u>12</u>	Specification for Cellulosic Fiber Insulating Board	IBC	IRC						
C212-00(2006) <u>10</u>	Specification for Structural Clay Facing Tile	IBC							
C216-07a <u>12</u>	Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)	IBC	IRC						
C270-08a <u>12a</u>	Specification for Mortar for Unit Masonry	IBC	IRC						
C272-01(2007)/C272M-12	Standard Test Method for Water Absorption of Core Materials for Structural-Sandwich Constructions	IRC							
C273/C273M-07a <u>11</u>	Standard Test Method for Shear Properties of Sandwich Core Materials	IRC							

C296-00(2004) /C296M-00(2009)e1	Specification for Asbestos-Cement Pressure Pipe	IPC	IRC						
C315-07(2011)	Specification for Clay Flue Liners and Chimney Pots	IBC	IRC	IMC	IFGC				
C317/C 317M-00(2005) 2010	Specification for Gypsum Concrete	IBC							
C330-05/C330-2009	Specification for Lightweight Aggregates for Structural Concrete	IBC							
C331-05 /C331M-2010	Specification for Lightweight Aggregates for Concrete Masonry Units	IBC							
C406-06e01 /C406M-2010	Specification for Roofing Slate	IBC	IRC						
C411-05 11	Test Method for Hot-Surface Performance of High-Temperature Thermal Insulation	IRC	IMC						
C425-04(2009)	Specification for Compression Joints for Vitrified Clay Pipe and Fittings	IPC	IPSDC	IRC					
C428/C428M-05(200611)e1	Specification for Asbestos-Cement Nonpressure Sewer Pipe	IPC	IPSDC	IRC					
C443-05a 12	Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets	IPC	IPSDC	IRC					
C472-99(2004) (2009)	Specification for Standard Test Methods for Physical Testing of Gypsum, Gypsum Plasters and Gypsum Concrete	IBC							
C473-07 12	Test Methods for Physical Testing of Gypsum Panel Products	IBC							
C474-05 12	Test Methods for Joint Treatment Materials for Gypsum Board Construction	IBC							
C475/C 475M-02(2007) 12	Specification for Joint Compound and Joint Tape for Finishing Gypsum Wall Board	IBC	IRC						
C476-08 10	Specification for Grout for Masonry	IRC							
C496/C496M-96 11	Standard Test Method for Splitting Tensile Strength of Cylindrical Concrete Specimens	IEBC							
C503-08a 10	Specification for Marble Dimension Stone (Exterior)	IBC							
C508/C508M-00(2004) (2009)e1	Specification for Asbestos-Cement Underdrain Pipe	IPC	IRC						
C514-04(2009)e1	Specification for Nails for the Application of Gypsum Board	IBC	IRC						
C516-08a	Specification for Vermiculite Loose Fill Thermal Insulation	IBC							
C518-04 10	Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus	IBC	IECC						
C547-07e1 12	Specification for Mineral Fiber Pipe Insulation	IBC							
C549-06(2012)	Specification for Perlite Loose Fill Insulation	IBC							
C552-07 12b	Standard Specification for Cellular Glass Thermal Insulation	IBC	IRC						
C557-03(2009)e01	Specification for Adhesives for Fastening Gypsum Wallboard to Wood Framing	IBC	IRC						
C564-08 12	Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings	IPC	IPSDC	IRC					

C568-08a <u>10</u>	Specification for Limestone Dimension Stone	IBC							
C578—08b12a	Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation	IBC	IRC						
C587-04(2009)	Specification for Gypsum Veneer Plaster	IBC	IRC						
C595/C95M-08a <u>2012e1</u>	Specification for Blended Hydraulic Cements	IBC	IRC						
C615/C615M-03 <u>2011</u>	Specification for Granite Dimension Stone	IBC							
C616/C616M-08a <u>2010</u>	Specification for Quartz Dimension Stone	IBC							
C629-08 <u>2010</u>	Specification for Slate Dimension Stone	IBC							
C630/C 630M-03 <i>Withdrawn replaced by C1396/C1396M-11</i>	Specification for Water-Resistant Gypsum Backing Board	IBC	IRC						
C635/C635M-07 <u>12</u>	Specification for the Manufacturer, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings	IBC							
C645-08a <u>11A</u>	Specification for Nonstructural Steel Framing Members	IBC	IRC						
C652-09 <u>12</u>	Specification for Hollow Brick (Hollow Masonry Units Made from Clay or Shale)	IBC	IRC						
C685/C 685M-07 <u>11</u>	Specification for Concrete Made by Volumetric Batching and Continuous Mixing	IRC							
C700-07a <u>11</u>	Specification for Vitrified Clay Pipe, Extra Strength, Standard Strength, and Perforated	IPC	IPSDC	IRC					
C726-05e1 <u>12</u>	Standard Specification for Mineral Wool Roof Insulation Board	IBC							
C728-05(2010)	Standard Specification for Perlite Thermal Insulation Board	IBC	IRC						
C744-08 <u>11</u>	Specification for Prefaced Concrete and Calcium Silicate Masonry Units	IBC							
C754-08 <u>11</u>	Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products	IBC							
C836/C836M-06 <u>12</u>	Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course	IBC	IRC						
C840-08 <u>11</u>	Specification for Application and Finishing of Gypsum Board	IBC							
C841-03(2008)E1	Specification for Installation of Interior Lathing and Furring	IBC							
C842-05(2010)E1	Specification for Application of Interior Gypsum Plaster	IBC							
C843-99(2006) (2012)	Specification for Application of Gypsum Veneer Plaster	IBC	IRC						
C844-04(2010)	Specification for Application of Gypsum Base to Receive Gypsum Veneer Plaster	IBC	IRC						
C847-09 <u>12</u>	Specification for Metal Lath	IBC	IRC						
C887-05(2010)	Specification for Packaged, Dry, Combined Materials for Surface Bonding Mortar	IBC	IRC						

C897-05(2009)	Specification for Aggregate for Job-Mixed Portland Cement-Based Plasters	IBC	IRC						
C920-08 <u>11</u>	Standard Specification for Elastomeric Joint Sealants	IBC	IRC	IgCC					
C926-06 <u>12A</u>	Specification for Application of Portland Cement-Based Plaster	IBC	IRC						
C931/C 931M-04 <i>Withdrawn Replaced by C1396/C1396M-11</i>	Specification for Exterior Gypsum Soffit Board	IBC							
C932-06	Specification for Surface-Applied Bonding Compounds Agents for Exterior Plastering	IBC							
C933-07b <u>11</u>	Specification for Welded Wire Lath	IBC							
C946-91 (2001) <u>10</u>	Specification for Practice for Construction of Dry-stacked, Surface-Bonded Walls	IBC							
C954-07 <u>11</u>	Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 inch (0.84 mm) to 0.112 inch (2.84 mm) in Thickness	IBC	IRC						
C955-09 <u>11C</u>	Standard Specification for Load-bearing Transverse and Axial Steel Studs, Runners Tracks, and Bracing or Bridging, for Screw Application of Gypsum Panel Products and Metal Plaster Bases	IBC	IRC						
C956-04(2010)	Specification for Installation of Cast-in-Place Reinforced Gypsum Concrete	IBC							
C957-06 <u>10</u>	Specification for High-Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane with Integral Wearing Surface	IBC	IRC						
C989/C989M-06 <u>12A</u>	Specification for Ground Granulated Blast-Furnace Slag Cement for Use in Concrete and Mortars	IBC							
C1007-08a- <u>11a</u>	Specification for Installation of Load Bearing (Transverse and Axial) Steel Studs and Related Accessories	IBC							
C1019-09 <u>11</u>	Test Method for Sampling and Testing Grout	IBC							
C1029-08 <u>10</u>	Specification for Spray-Applied Rigid Cellular Polyurethane Thermal Insulation	IBC	IRC						
C1032-06(2011)	Specification for Woven Wire Plaster Base	IBC	IRC						
C1047-09 <u>10A</u>	Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base	IBC	IRC						
C1053-00(2005) <u>(2010)</u>	Specification for Borosilicate Glass Pipe and Fittings for Drain, Waste, and Vent (DWV) Applications	IPC							

C1063-08 <u>12C</u>	Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-Based Plaster	IBC	IRC						
C1088-09	Specification for Thin Veneer Brick Units Made From Clay or Shale	IBC							
C1072-06 <u>11</u>	Standard Text Method for Measurement of Masonry Flexural Bond Strength	IBC							
C1107/C1107-08 <u>11</u>	Standard Specification for Packaged Dry, Hydraulic-Cement Grout (Nonshrink)	IRC							
C1116/C1116M-08a <u>10</u>	Standard Specification for Fiber - Reinforced Concrete and Shotcrete	IRC							
C1157-08a <u>11</u>	<u>Standard Performance Specification for Hydraulic Cement</u>	IBC							
C1167-03 <u>11</u>	Specification for Clay Roof Tiles	IBC	IRC						
C1173-08 <u>10</u>	Specification for Flexible Transition Couplings for Underground Piping Systems	IPC	IPSDC	IRC					
C1178/C 1178M-06 <u>11</u>	Specification for Coated Glass Mat Water-Resistant Gypsum Backing Panel	IBC	IRC						
C1186-08	Specification for Flat Nonasbestos Fiber Cement Sheets	IBC	IRC						
C1218/C1218M-99(2008)	Test Method for Water-Soluble Chloride in Mortar and Concrete	IBC							
C1240-05 <u>12</u>	Specification for Silica Fume Used in Cementitious Mixtures	IBC							
C1261-07 <u>10</u>	Specification for Firebox Brick for Residential Fireplaces	IBC	IRC						
C1277-08 <u>11</u>	Specification for Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings	IPC	IPSDC	IRC					
C1278/C1278M-07a(2011)	Specification for Fiber-Reinforced Gypsum Panels	IBC	IRC						
C1280-09 <u>12A</u>	Specification for Application of <u>Exterior Gypsum Panel Products for Use as Sheathing</u>	IBC							
C1283-07a <u>11</u>	Practice for Installing Clay Flue Lining	IBC	IRC						
C1288-99(2004)e1 <u>2010</u>	Standard Specification for Discrete Non-Asbestos Fiber-Cement Interior Substrate Sheets	IBC	IRC						
C1289—08- <u>12a</u>	Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board	IBC	IRC						
C1314-07 <u>11A</u>	Test Method for Compressive Strength of Masonry Prisms	IBC							

C1325-08b	Standard Specification for Non-Asbestos Fiber-Mat Reinforced Cement Interior Substrate Sheets Backer Units	IBC	IRC						
C1328/C1328M-05 12	Specification for Plastic (Stucco Cement)	IBC	IRC						
C1364-07 10B	Standard Specification for Architectural Cast Stone	IBC							
C1371-04A(2010)E1	Standard Test Method For Determination of Emittance of Materials Near Room Temperature Using Portable Emissometers	IECC	IgCC						
C1373/C1373--03 11	Standard Practice for Determination of Thermal Resistance of Attic Insulation Systems Under Simulated Winter Conditions	IECC							
C1396/1396M-06a 11	Specification for Gypsum Ceiling Board	IBC	IRC						
C1405-08 12	Standard Specification for Glazed Brick (Single Fired, Solid Brick Units)	IBC							
C1492-03(2009)	Standard Specification for Concrete Roof Tile	IBC	IRC						
C1513-04 12	Standard Specification for Concrete Roof Tile	IRC							
C1540-08 11	Specification for Heavy Duty Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings	IPC							
C1611/C 1611M-05-09BE1	Standard Test Method for Slump Flow of Self-Consolidating Concrete	IBC							
C1629/C1692M—06(2011)	Standard Classification for Abuse-Resistant Nondecorated Interior Gypsum Panel Products and Fiber-Reinforced Cement Panels	IBC							
C1658/C1658-06 12	Standard Specification for Glass Mat Gypsum Panels	IBC	IRC						
C1563-08	Standard Test Method for Gaskets for Use in Connection with Hub and Spigot Cast Iron Soil Pipe and Fittings for Sanitary Drain, Waste, Vent and Storm Piping Applications	IPC							
D25-99(2005)12	Specification for Round Timber Piles	IBC							
D56-05(2010)	Test Method for Flash Point by Tag Closed Tester	IBC							
D86-09 2011b	Test Method for Distillation of Petroleum Products at Atmospheric Pressure	IBC	IFC						
D92-05a 12	Test Method for Flash and Fire Points by Cleveland Open Cup Tester	IFC							
D93-08 11	Test Method for Flash Point by Pensky-Martens Closed Cup Tester	IBC	IFC	IMC					

D226/D226M-06_09	Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing	IBC	IRC						
D227/D227M-03(2011)E1	Specification for Coal-Tar-Saturated Organic Felt Used in Roofing and Waterproofing	IBC	IRC						
D635-06_10	Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position	IBC							
D1003-07_11e1	Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics	IECC							
D1248-05_12	Specification for Polyethylene Plastics Extrusion Materials for Wire and Cable	IRC							
D1557-07_12	Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lb/ft ³ (2,700kN-m/m ³))	IBC							
D1593-09	Non-rigid vinyl chloride plastic <u>film and sheeting</u>	ISPSC							
D1621-04a_10	Standard Test Method for Compressive Properties Of Rigid Cellular Plastics	IRC							
D1623-03_09	Standard Test Method for Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics	IRC							
D1693-08_12	Test Method for Environmental Stress-Cracking of Ethylene Plastics	IRC	IMC						
D1784-08_11	Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds	IRC							
D1785-06_12	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80 and 120	IPC	IMC	IRC	ISPSC				
D1863/D1863M-05(2011)E1	Specification for Mineral Aggregate Used on Built-Up Roofs	IBC	IRC						
D1869-95 (2005)e1 (2010)	Specification for Rubber Rings for Asbestos-Cement Pipe	IPC	IPSDC	IRC					
D1929-96(2001)e01-12	Test Method for Determining Ignition Properties <u>Temperature</u> of Plastics	IBC							
D1970/D1970M-09_11	Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roof Underlayment for Ice Dam Protection	IBC	IRC						
D2126-04_09	Standard Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging	IRC							
D2216-05_10	Test Method for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass	IBC							
D2235-04 (2011)	Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings	IPC	IPSDC	IMC	IRC				
D2239-03_12	Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter	IPC	IRC						

D2241-05 09	Specification for Poly (Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR-Series)	IPC	IRC	IMC	ISPSC				
D2412-02(2008) 11	Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading	IRC	IMC						
D2487-06e1 2011	Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)	IBC							
D2513-08b 12	Specification for Thermoplastic Polyethylene (PE) Gas Pressure Pipe, Tubing, and Fittings	IRC	IMC	IFGC					
D2559-04 12A	Standard Specification for Adhesives for Structural Laminated Bonded Structural Wood Products for Use under Exterior (West Use) Exposure Conditions	IRC							
D2564-04e01 12	Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems	IPC	IPSDC	IRC	IMC				
D2626/D2626M-04(2012)E1	Specification for Asphalt-Saturated and Coated Organic Felt Base Sheet Used in Roofing	IBC	IRC						
D2661-08 11	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings	IPC	IPSDC	IRC					
D2665-09 12	Specification for Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings	IPC	IPSDC	IRC					
D2672-96a(2003) (2009)	Specification for Joints for IPS PVC Pipe Using Solvent Cement	IPC	IRC	ISPSC					
D2683-04 10	Specification for Socket-Type Polyethylene Fittings for Outside Diameter-Controlled Polyethylene Pipe and Tubing	IPC	IRC	IMC					
D2729-03 11	Specification for Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings	IRC	IPC	IPSDC					
D2737-03 12E1	Specification for Polyethylene (PE) Plastic Tubing	IPC	IRC						
D2822/D2822M-05(2011)E1	Specification for Asphalt Roof Cement, Asbestos Containing	IBC	IRC						
D2823/D2823M-05 (2011)E1	Specification for Asphalt Roof Coatings, Asbestos Containing	IBC	IRC						
D2824-06(2012)E1	Specification for Aluminum-Pigmented Asphalt Roof Coatings, Non-fibred, Asbestos Fibred, and Fibred without Asbestos	IRC	IBC						
D2837-08 11	Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials or Pressure Design Basis for Thermoplastic Pipe Products	IRC	IMC						
D2843-99(2004)e01 10	Test for Density of Smoke from the Burning or Decomposition of Plastics	IBC							
D2846/D 2846M-09BE1	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot- and Cold-Water Distribution Systems	IPC	IRC	IMC	ISPSC				
D2855-96(2002) (2010)	Practice for Making Solvent-Cemented Joints with Poly (Vinyl Chloride) (PVC) Pipe and Fittings	IPC	IPSDC	IRC					
D2859-06 (2011)	Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials	IBC	IFC						
D2898-(04) 10	Standard Test Methods for Accelerated Weathering of Fire-	IBC	IRC	IWUIC					

	Retardant-Treated Wood for Fire Testing								
D2949-01a(2008) 10	Specification for 3.25-in. Outside Diameter Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings	IPC	IPSDC	IRC					
D2974-07a-A	Standard Test Methods for Moisture, Ash and Organic Matter of Peat and other Organic Soils	IgCC							
D3035-08 12	Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter	IPC	IRC	IMC					
D3139-98(2005) 2011	Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals	IPC							
D3161/D3161M-09 12	Test Method for a Wind Resistance of Asphalt Shingles (Fan Induced Method)	IBC	IRC						
D3200-74(2005) 2012	Standard Specification and Test Method for Establishing Recommended Design Stresses for Round Timber Construction Poles	IBC							
D3201-08AE1	Test Method for Hygroscopic Properties of Fire-Retardant Wood and Wood-Based Products	IBC	IRC	IWUIC					
D3261-03 12	Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings Plastic Pipe and Tubings	IMC	IPC						
D3278-1996(2004)e1 (2011)	Test Methods for Flash Point of Liquids by Small Scale Closed-Cup Apparatus	IBC	IFC	IMC					
D3311-08 11	Specification for Drain, Waste and Vent (DWV) Plastic Fittings Patterns	IPC	IRC						
D3350-08 12	Specification for Polyethylene Plastics Pipe and Fittings Materials	IRC	IMC						
D3462/3462M-09 10A	Specification for Asphalt Shingles Made From Glass Felt and Surfaced with Mineral Granules	IBC	IRC						
D3679-09 11	Specification for Rigid Poly (Vinyl Chloride) (PVC) Siding	IBC	IRC						
D3689-07	Test Methods for Deep Foundations Piles Under Static Axial Tensile Load	IBC							
D3737-08 09E1	Practice for Establishing Allowable Properties for Structural Glued Laminated Timber (Glulam)	IBC	IRC						
D3805/D3805M-97(2003)e1 (2009)	Standard Guide for Application of Aluminum-Pigmented Asphalt Roof Coatings	IBC							
D3909/D3909M-97b(2004) 2012e1	Specification for Asphalt Roll Roofing (Glass Felt) Surfaced with Mineral Granules	IBC	IRC	IWUIC					
D3957-06 09	Standard Practices for Establishing Stress Grades for Structural Members Used In Log Buildings	IBC	IRC						
D4022/D4022M-2007(2012)E1	Specification for Coal Tar Roof Cement, Asbestos Containing	IBC	IRC						
D4068-04 09	Specification for Chlorinated Polyethylene (CPE) Sheeting for Concealed Water-Containment Membrane	IPC	IRC						
D4272-08a 09	Test Method for Total Energy Impact of Plastic Films by Dart Drop	IBC							
D4318-05 10	Test Method for Liquid Limit, Plastic Limit, and Plasticity Index of Soils	IBC	IRC						
D4434/D4434M-09 12	Specification for Poly (Vinyl Chloride) Sheet Roofing	IBC	IRC						

D4479/D4479M-07(2012)E1	Specification for Asphalt Roof Coatings - Asbestos-Free	IBC	IRC						
D4551-96-(2008)e1 12	Specification for Poly (Vinyl Chloride) (PVC) Plastic Flexible Concealed Water-Containment Membrane	IPC	IRC						
D4586/D4586M-07(2012)E1	Specification for Asphalt Roof Cement, Asbestos-Free	IBC	IRC						
D4601/D4601M-08 042012E1	Specification for Asphalt-Coated Glass Fiber Base Sheet Used in Roofing	IBC	IRC						
D4637/D4637M-08 12	Specification for EPDM Sheet Used in Single-Ply Roof Membrane	IBC	IRC						
D4829-08a 11	Test Method for Expansion Index of Soils	IBC	IRC						
D4869/D4869M-05(2011)e01	Specification for Asphalt-Saturated (Organic Felt) Underlayment Used in Steep Slope Roofing	IBC	IRC						
D4897/D4897M-01(2009)	Specification for Asphalt-Coated Glass-Fiber Venting Base Sheet Used in Roofing	IBC	IRC						
D4945-08 12	Test Methods for High-Strain Dynamic Testing of Deep Foundations	IBC							
D5049-07a Withdrawn/no replacement	Specification for Reinforced CSM Polymeric Sheet Used in Roofing Membrane	IBC	IRC						
D5055-10 12	Specification for Establishing and Monitoring Structural Capacities of Prefabricated Wood I-Joists	IBC	IRC	IgCC					
D5197-09E1	Test Method for Determination of Formaldehyde and Other Carbonyl Compounds in Air (Active Sampler Methodology)	IgCC							
D5456-10 12	Standard Specification for Evaluation of Structural Composite Lumber Products	IBC	IRC	IgCC					
D5516-03 09	Test Method of Evaluating the Flexural Properties of Fire-Retardant Treated Softwood Plywood Exposed to the Elevated Temperatures	IBC	IRC						
D5643/D5643M-06 (2012)E1	Specification for Coal Tar Roof Cement, Asbestos-Free	IBC	IRC						
D5664-08 10	Test Methods for Evaluating the Effects of Fire-Retardant Treatments and Elevated Temperatures on Strength Properties of Fire-Retardant Treated Lumber	IBC	IRC						
D6162-2000a(2008)	Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements	IBC	IRC						
D6164/D6164M-05e1 11	Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Polyester Reinforcements	IBC	IRC						
D6222/D6222M-08 11	Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using Polyester Reinforcements	IBC	IRC						
D6223D6223M-02(2009)E1	Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements	IBC	IRC						

D6662-09	Standard Specification for Polyolefin-Based <u>Plastic</u> Lumber Decking Boards	IWUIC							
D6694-08	Standard Specification for Liquid-applied Silicone Coating Used In Spray Polyurethane Foam Roofing Systems	IBC	IRC						
D6698-07 <u>12</u>	Standard Test Method for On-Line Measurement of Turbidity Below 5 NTU in Water	IgCC							
D6754/D6745M-02 <u>10</u>	Standard Specification for Ketone Ethylene Ester Based Sheet Roofing	IBC	IRC						
D6757-07	Standard Specification for Inorganic-Underlayment Felt Containing Inorganic Fibers used in Steep-Slope Roofing Products	IBC	IRC						
D6878-08e1/D6878-11A	Standard Specification for Thermoplastic Polyolefin Based Sheet Roofing	IBC	IRC						
D6886-14 <u>12</u>	Standard Methods for Determining the Biobased Content of Solid, Liquid, and Gaseous Samples Using Radiocarbon Analysis	IgCC							
D7032-08 <u>10a</u>	Standard Specification for Establishing Performance Ratings for Wood-Plastic Composite Deck Boards and Guardrail Systems (Guards or Handrails)	IRC	IWUIC						
D7158-08d/D7158M <u>2011</u>	Standard Test Method for Wind Resistance of Sealed Asphalt Shingles (Uplift Force/Uplift Resistance Method)	IBC	IRC						
E84-09 <u>2012c</u>	Test Method for Surface Burning Characteristics of Building Materials	IBC	IFC	IRC	IMC				
E96/E96M-05 <u>10</u>	Test Method for Water Vapor Transmission of Materials	IBC	IRC						
E108-07a <u>2011</u>	Test Methods for Fire Tests of Roof Coverings	IBC	IRC						
E119-2008a <u>2012a</u>	Standard Test Methods for Fire Tests of Building Construction and Materials	IBC	IRC	IMC	IWUIC				
E136-09 <u>2012</u>	Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 Degrees C	IBC	IRC	IMC	IWUIC				
E519-00e1/E519M <u>2010</u>	Standard Test Method for Diagonal Tension (Shear) in Masonry Assemblages	IEBC							
E605-93(2006) (2011)	Test Method for Thickness and Density of Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members	IBC							
E681-04 <u>2009</u>	Test Method for Concentration Limits of Flammability of Chemicals (Vapors and Gases)	IBC	IFC						
E736-00(2006) (2011)	Test Method for Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members	IBC							
E779—03 <u>10</u>	Standard Test Method for Determining Air Leakage Rate by Fan Pressurization	IECC	IgCC						
E814-08b <u>2011a</u>	Test Method of Fire Tests of Through-Penetration Firestops	IBC	IRC	IMC					
E970-08a <u>2010</u>	Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source	IBC	IRC						
E1300-07e04 <u>12AE1</u>	Practice for Determining Load Resistance of Glass in	IBC							

	Buildings								
E1332-90(2003)	Standard Classification for the Determination of Outdoor-Indoor Transmission Class	IgCC							
E1354-09 <u>2011b</u>	Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter	IBC	IFC						
E1465-08A	Standard Practice for Radon Control Options for the Design and Construction of New Low-Rise Residential Buildings	IRC							
E1509-04 <u>12</u>	Standard Specification for Room Heaters, Pellet Fuel-Burning Type	IRC	IMC	IgCC					
E1529-06 <u>10</u>	Test Method for Determining Effects of Large Hydrocarbon Pool Fires on Structural Members and Assemblies	IFC							
E1537-07 <u>12</u>	Test Method for Fire Testing of Upholstered Furniture	IFC							
E1590-07 <u>12</u>	Test Method for Fire Testing of Mattresses	IFC							
E1592-05(2012)	Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference	IBC							
E1602-03 <u>02(2010)E1</u>	Guide for Construction of Solid Fuel-Burning Masonry Heaters	IBC	IRC						
E1643-10 <u>11</u>	Standard Practice for Selection, Design, Installation, and Inspection of Water Vapor Retarders <u>used in Contact with Earth or Granular Fill Under Concrete Slabs</u>	IgCC							
E1677-05 <u>11</u>	Standard Specification for an Air Retarder (AR) Material or System for Low-Rise Framed Building Walls	IECC							
E1966-07A(2011)	Test Method for Fire resistant Joint Systems	IBC	IFC						
E1980-04 <u>11</u>	Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-sloped Opaque Surfaces	IECC	IgCC						
E1996-09 <u>12</u>	Specification for Performance of Exterior Windows, Glazed Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes	IBC	IRC	IFC					
E2072-04 <u>10</u>	Standard Specification for Photoluminescent (Phosphorescent) Safety Markings	IBC	IFC						
E2174-09 <u>10AE1</u>	Standard Practice for On-Site Inspection of Installed Fire Stops	IBC	IEBC						
E2178-03 <u>11</u>	Standard Test Method for Air Permeance of Building Materials	IRC	IECC						
E2231-04 <u>09</u>	Standard Practice for Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess to Surface Burning Characteristics	IRC	IMC						
E2273-03(2011)	Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies	IBC	IRC						

E2307 -04 <u>12</u>	Standard Test Method for Determining Fire Resistance of a Perimeter Fire Barriers Joint System Between an Exterior Wall Assembly and a Floor Assembly Using the Intermediate-Scale, Multi-story Test Apparatus ¹ .	IBC							
E2336-04(2009)	Standard Test Methods Fire Resistive Grease Duct Enclosure Systems	IMC							
E2357-05 <u>11</u>	Standard Test Method for Determining Air Leakage Rate of Air Barrier Assemblies	IECC							
E2393-09 <u>10A</u>	Standard Practice for On-Site Inspection of Installed Fire Resistive Joint Systems and Perimeter Fire Barrier	IBC	IEBC						
E2404—08 <u>12</u>	Standard Practice for Specimen Preparation and Mounting of Textile, Paper or Vinyl Wall or Ceiling Coverings to Assess Surface Burning Characteristics	IBC	IFC						
E2568—09e1	Standard Specification of PB Exterior Insulation and Finish Systems (EIFS)	IBC	IRC						
E2573—07a <u>12</u>	Standard Practice for Specimen Preparation and Mounting of Site-fabricated Stretch Systems to Assess Surface Burning Characteristics	IBC	IFC						
E2599-09 <u>11</u>	Standard Practice for Specimen Preparation and Mounting of Reflective Insulation Materials and Vinyl Stretch Ceiling Materials Radiant Barrier for Building Applications to Assess Surface Burning Characteristics	IBC							
E2634-08 <u>11</u>	Standard Specification for Flat Wall Insulating Concrete Form (ICF) Systems	IBC	IRC						
F409-02(2008) <u>12</u>	Specification for Thermoplastic Accessible and Replaceable Plastic Tube and Tubular Fittings	IPC	IRC						
F437-06 <u>09</u>	Specification for Threaded Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80	IPC	IRC	IMC	ISPSC				
F438-04 <u>09</u>	Specification for Socket-Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40	IPC	IRC	IMC	ISPSC				
F439-06 <u>12</u>	Specification for Socket-Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80	IPC	IRC	IMC	ISPSC				
F441/F 441M-02(2008) <u>12</u>	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80	IPC	IRC	IMC					
F442/F 442M-99(2005)e1 <u>12</u>	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR)	IPC	IRC	IMC					
F477-08 <u>10</u>	Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe	IPC	IPSDC	IRC					
F493-04 <u>10</u>	Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings	IPC	IRC	IMC					
F547-06 (2012)	Terminology of Nails for Use with Wood and Wood-based Materials	IBC							

F656-08 <u>10</u>	Specification for Primers for Use in Solvent Cement Joints of Poly (Vinyl Chloride) (PVC) Plastic Pipe and Fittings	IPC	IPSDC	IRC					
F714-08 <u>12E1</u>	Specification for Polyethylene (PE) Plastic Pipe (SDR-PR) Based on Outside Diameter	IPC	IRC	IMC					
F876-08b <u>10E1</u>	Specification for Crosslinked Polyethylene (PEX) Tubing	IPC	IRC	IMC					
F877-07 <u>11</u>	Specification for Crosslinked Polyethylene (PEX) Plastic Hot- and Cold-Water Distribution Systems	IPC	IRC	IMC					
F891-07 <u>10</u>	Specification for Coextruded Poly (Vinyl Chloride) (PVC) Plastic Pipe with a Cellular Core	IPC	IPSDC	IRC					
F1055-98(2006) <u>11</u>	Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene <u>and Crosslinked Polyethylene</u> Pipe and Tubing	IPC	IRC	IMC					
F1281-07 <u>11</u>	Specification for Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe	IPC	IRC	IMC					
F1282-06 <u>10</u>	Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe	IPC	IMC	IRC					
F1346-91 (2003) (2010)	Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs	IBC	IRC	IPMC	IgCC	ISPSC			
F1484-05 <u>12</u>	Standard Test Methods for Performance of Steam Cookers	IgCC							
F1488-03 <u>09E1</u>	Specification for Coextruded Composite Pipe	IPC	IPSDC	IRC	IgCC				
F1496-99(2005)e1 <u>12</u>	Standard Test Method for Performance of Convection Ovens	IgCC							
F1499-01(2008) <u>12</u>	Specification for Coextruded Composite Drain, Waste, and Vent Pipe (DWV)	IPSDC							
F1667-05 <u>11A E1</u>	Specification for Driven Fasteners: Nails, Spikes, and Staples	IBC	IRC						
F1673-04(2005) <u>10</u>	Standard Specification for Polyvinylidene Fluoride (PVDF) Corrosive Waste Drainage Systems	IPC							
F1807-08 <u>12</u>	Specifications for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing <u>and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing</u>	IPC	IRC	IMC					

F1924-05 <u>12</u>	Standard Specification for Plastic Mechanical Fittings for Use on Outside Diameter Controlled Polyethylene Gas Distribution Pipe and Tubing	IMC							
F1960-09 <u>12</u>	Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing	IPC	IRC	IMC					
F1974-08 <u>09</u>	Specification for Metal Insert Fittings for Polyethylene/Aluminum/Polyethylene and Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene Composite Pressure Pipe	IPC	IRC	IMC					
F1986-01(2006) (2011)	Specification for Multilayer Pipe, Type 2, Compression Fittings and Compression Joints for Hot and Cold Drinking Water Systems	IPC	IRC						
F2080-08 <u>09</u>	Specification for Cold-Expansion Fittings with Metal Compression-Sleeves for Cross-linked Polyethylene (PEX) Pipe	IPC	IRC						
F2098-08	Standard Specification for Stainless Steel Clamps for Securing SDR9 Cross-Linked Polyethylene (PEX) Tubing to Metal Insert and Plastic Insert Fittings	IPC	IRC						
F2159-05 <u>11</u>	Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing	IPC							
F2200—05 <u>11B</u>	Standard Specification for Automated Vehicular Gate Construction	IRC	IFC						
F2262-05 <u>09</u>	Standard Specification for Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene Tubing OD Controlled SDR9	IPC	IRC						
F2306/F 2306M-08 <u>11</u>	Specification for 12" to 60" 300 to 1500 mm annular Corrugated Profile-Wall Polyethylene (PE) Pipe and Fittings for Gravity-Flow Storm Sewer and Subsurface Drainage Applications	IPC							
F2387-04(2012)	Standard Specification for Manufactured Safety Vacuum Release Systems, Swimming (SVRS) for Pools, Spas and Hot Tubs	IBC							
F2389-07e1 <u>10</u>	Specification for Pressure-Rated Polypropylene (PP) Piping Systems	IPC	IRC	IMC					
F2434-08 <u>09</u>	Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp ring for SDR9 Cross-Linked Polyethylene (PEX) Tubing and SDR9 Cross-Linked Polyethylene/Aluminum/Cross-Linked Polyethylene (PEX-AL-PEX) Tubing	IPC	IRC	IMC					
F2735-09	Standard Specification for Plastic Insert Fittings for SDR9 Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing	IMC	IPC	IRC					
F2769-09 <u>10</u>	Polyethylene of Raised Temperature (PE-RT) Plastic Hot and Cold-Water Tubing and Distribution Systems	IMC	IPC	IRC					

AWCI		The Association of the Wall & Ceiling Industries International							
Standard Reference Number	Title	Referenced in Code(s):							
12-B-98 <u>04</u>	Technical Manual 12-B Standard Practice for the Testing and Inspection of Field Applied Thin Film Intumescent Fire-Resistive Materials; an Annotated Guide, First- Second Edition	IBC							
AWPA		American Wood Protection Association							
Standard Reference Number	Title	Referenced in Code(s):							
M4—08 <u>11</u>	Standard for the Care of Preservative-Treated Wood Products	IBC	IRC						
U1—11 <u>14</u>	USE CATEGORY SYSTEM: User Specification for Treated Wood except Section 6, Commodity Specification H	IBC	IRC						
AWS		American Welding Society							
Standard Reference Number	Title	Referenced in Code(s):							
A5.8-04M/A5.8:2011	Specifications for Filler Metals for Brazing and Braze Welding	IRC	IMC	IPC					
D1.3-98/D1.3M:2008	Structural Welding Code-Sheet Steel	IBC							
D1.4-1998 /D1.4M:2011	Structural Welding Code - Reinforcing Steel <u>Including Metal Inserts and Connections in Reinforced Concrete Construction</u>	IBC							
AWWA		American Water Works Association							
Standard Reference Number	Title	Referenced in Code(s):							
C104-98/A21.4-08	Standard for Cement-Mortar Lining for Ductile-Iron Pipe and Fittings for Water	IRC	IPC						
C110/A21.10-03 <u>12</u>	Standard for Ductile-Iron and Gray-Iron Fittings, 3-in through 48 Inches for Water	IRC	IPC	IMC					
C111-00/A21.11-12	Standard for Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings	IPC	IFGC						
C115-A21.15-99 <u>11</u>	Standard for Flanged Ductile-Iron Pipe with Ductile-Iron or Gray-Iron Threaded Flanges	IRC	IPC	IMC					
C151/A21.51-02 <u>09</u>	Standard for Ductile-Iron Pipe, Centrifugally Cast for Water	IRC	IPC	IMC					
C153/A21.53-00 <u>11</u>	Standard for Ductile-Iron Compact Fittings for Water Service	IRC	IPC	IMC					
C510-00 <u>07</u>	Double Check Valve Backflow Prevention Assembly	IRC	IPC						
C511-00 <u>07</u>	Reduced-Pressure Principle Backflow Prevention Assembly	IRC	IPC						

C651-99 <u>05</u>	Disinfecting Water Mains	IPC							
C652-02 <u>11</u>	Disinfection of Water-Storage Facilities	IPC							
BHMA	Builders Hardware Manufacturers' Association								
Standard Reference Number	Title	Referenced in Code(s):							
A 156.19-2007 <u>2013</u>	Power Assist and Low Energy Power Operated Doors	IBC	IFC						
CDPH	California Department of Public Health								
Standard Reference Number	Title	Referenced in Code(s):							
CDPH Section 01350	EHLB Standard Method for the Testing and Evaluation of VOC Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1(2010)	IgCC							
CGA	Compressed Gas Association								
Standard Reference Number	Title	Referenced in Code(s):							
C-7 (2004) (2011)	Guide to Preparation of Precautionary Labeling and Marking of Compressed Gas Containers	IFC							
<u>ANSI/CGA P-18-2006</u>	Standard for Bulk Inert Gas Systems at Consumer Sites (an American National Standard)	IFC							
P-20 (2003) (2009)	Standard for Classification of Toxic Mixtures	IFC							
P-23 (2003) (2008)	Standard for Categorizing Gas Mixtures Containing Flammable and Nonflammable Components	IFC							
S-1.1 (2005) (2011)	Pressure Relief Device Standards - Part 1 - Cylinders for Compressed Gases	IFC	IFGC						
S-1.3 (2005) (2008)	Pressure Relief Device Standards - Part 3 - Stationary Storage Containers for Compressed Gases	IFC	IFGC						
CPA	Composite Panel Association								
Standard Reference Number	Title	Referenced in Code(s):							
A135.4-2004 <u>2012</u>	Basic Hardboard	IBC	IRC						
A135.5-2004 <u>2012</u>	Prefinished Hardboard Paneling	IBC	IRC						
A135.6-2006 <u>2012</u>	<u>Hardboard Engineered Wood Siding</u>	IBC	IRC						
A208.1-99 <u>2009</u>	Particleboard	IBC	IRC						
CRRC	Cool Roof Rating Council								
Standard Reference Number	Title	Referenced in Code(s):							
CRRC-1-2010 <u>12</u>	Cool Roof Rating Council Standard	IgCC							

CSA		Canadian Standards Association CSA Group							
Standard Reference Number	Title	Referenced in Code(s):							
<u>ASME A17.1/CSA B44—2013</u>	<u>Safety Code for Elevators and Escalators</u>	IBC	IFC	IEBC	IRC	IPMC			
<u>ASME A112.18.1-2005 2012/ CSA B125.1-2005 2012</u>	Plumbing Supply Fittings	IPC	IRC						
<u>ASME A112.18.2-2005 2011/ CSA B125.2-2005 2011</u>	Plumbing Waste Fittings	IRC	IPC						
<u>ASME A112.19.1 2013/ CSA B45.2-08 13</u>	Enameled Cast-Iron and Enameled Steel Plumbing Fixtures	IRC	IPC						
<u>A112.19.2-2008 2013/ CSA B45.1-08 13</u>	Ceramic Plumbing Fixtures	IPC	IRC						
<u>ASME A112.19.3-2008/ CSA B45.4-08(R2013)</u>	Stainless-Steel Plumbing Fixtures	IRC	IPC						
<u>ASME A112.19.5-2011/ CSA/B45.15-09 11</u>	<u>Flush Valves and Spuds Trim for Water Closets, Urinals, Bowls and Tanks</u>	IPC	IRC						
<u>ASME A112.19.7-2012/ CSA B45.10-09-2012</u>	Hydromassage Bathtubs Appliances Systems	IPC	IRC						
<u>ASME A112.3.4-2013/CSA B45.9-99(R2008) 13</u>	Macerating Systems and Related Components	IRC	IPC						
<u>ASSE 1016/ASME A112.1016/CSA B125.16-2011</u> is a replacement for ASSE 1016-2010	<u>Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations</u>	IPC	IRC	IqCC					
<u>CSA B45.5-02 (R2008) 11/ IAPMO Z124-2011</u>	Plastic Plumbing Fixtures	IRC	IPC						
<u>B64.1.1-04 11</u>	Vacuum Breakers, Atmospheric Type (AVB)	IRC	IPC						
<u>B64.1.2-07 11</u>	Pressure Vacuum Breakers (PVB)	IRC	IPC						
<u>B64.1.3-07 11</u>	Spill Resistant Pressure Vacuum Breakers (SRPVB)	IPC	IRC						
<u>B64.2-04 11</u>	Vacuum Breakers, Hose Connection Type (HCVF)	IRC	IPC						
<u>B64.2.1-07 11</u>	Vacuum Breakers, Hose Connection (HCVB) with Manual Draining Feature	IRC	IPC						
<u>B64.2.1.1-07 11</u>	Hose Connection Dual Check Vacuum Breakers (HCDVB)	IRC	IPC						
<u>B64.2.2-04 11</u>	Vacuum Breakers, Hose Connection Type (HCVF) with Automatic Draining Feature	IRC	IPC						
<u>B64.3-07 11</u>	Dual Check Valve Backflow Preventers Atmospheric Port (DCAP)	IRC	IPC						
<u>B64.4-07 11</u>	Reduced Pressure Principle Backflow Preventers (RP)	IRC	IPC						
<u>B64.4.1-07 11</u>	Reduced Pressure Principle for Fire Systems (RPF)	IRC	IPC						
<u>B64.5-07 11</u>	Double Check Backflow Preventers (DCVA)	IRC	IPC						
<u>B64.5.1-07 11</u>	Double Check Valve Backflow Preventers for Fire Systems (DCVAF)	IRC	IPC						
<u>B64.6-07 11</u>	Dual Backflow Preventers Check Valve (DuC)	IPC	IRC						
<u>B64.7-07 11</u>	Laboratory Faucet Vacuum Breakers (LFVB)	IRC	IPC						
<u>B64.10.1-07 11</u>	<u>Manual for the Selection, Installation, Maintenance and Field Testing of Backflow Preventers on Devices</u>	IPC							

B79-08 (R2013)	Commercial and Residential Drains, and Cleanouts	IPC							
CSA B125.3-2005 12	Plumbing Fittings	IRC	IPC						
B137.1-05 13	Polyethylene (PE) Pipe , Tubing and Fittings for Cold Water Pressure Services	IRC	IPC						
B137.2-05 13	Polyvinylchloride PVC Injection-Moulded Gasketed Fittings for Pressure Applications	IRC	IPC	ISPSC					
B137.3-05 13	Rigid Poly (Vinyl Chloride) (PVC) Pipe for Pressure Applications	IRC	IPC	IPSDC					
B137.5-05 13	Cross-Linked Polyethylene (PEX) Tubing Systems for Pressure Applications	IRC	IPC						
B137.6-05 13	Chlorinated Polyvinylchloride CPVC Pipe, Tubing and Fittings for Hot and Cold Water Distribution Systems	IRC	IPC	ISPSC					
B137.9-02 13	Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure-Pipe Systems	IRC	IPC	IMC					
B137.10M-05 13	Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Composite Pressure-Pipe Systems	IRC	IPC	IMC					
B137.11-05 13	Polypropylene (PP-R) Pipe and Fittings for Pressure Applications	IRC	IPC						
B181.1-06 11	Acrylonitrile-butadiene-stryrene (ABS) Drain, Waste, and Vent Pipe and Pipe Fittings	IRC	IPC	IPSDC					
B181.2-06 11	Polyvinylchloride PVC Drain, and chlorinated polyvinylchloride (CPVC) Drain, Waste, and Vent Pipe and Pipe Fittings	IRC	IPC	IPSDC					
B181.3-06 11	Polyolefin and polyvinylidene fluoride (PVDF) Laboratory Drainage Systems	IRC	IPC						
B182.1- 06 11	Plastic drain and sewer pipe and pipe fittings	IPC	IPSDC						
B182.2-06 11	PSM type polyvinylchloride (PVC) sewer pipe and fittings	IRC	IPC	IPSDC					
B182.4-06 11	Profile polyvinylchloride PVC Sewer Pipe and Fittings	IRC	IPC	IPSDC					
B182.6-06 11	Profile Polyethylene (PE) Sewer Pipe and Fittings for leak proof sewer applications	IRC	IPC						
B182.8-06 11	Profile Polyethylene (PE) Storm Sewer and Drainage Pipe and Fittings	IRC	IPC						
B356-00(2005) 10	Water Pressure Reducing Valves for Domestic Water Supply Systems	IPC	IRC						
B481.1-07 12	Testing and Rating of Grease Interceptors Using Lard	IPC							
B602-05 10	Mechanical Couplings for Drain, Waste, and Vent Pipe and Sewer Pipe	IRC	IPC	IPSDC					
CAN/CSA A257.1M-92 2009	Circular Concrete Culvert, Storm Drain, Sewer Pipe and Fittings	IRC	IPC	IPSDC					
CAN/CSA A257.2M-92 2009	Reinforced Circular Concrete Culvert, Storm Drain, Sewer Pipe and Fittings	IRC	IPC	IPSDC					
CAN/CSA A257.3M-92 2009	Joints for Circular Concrete Sewer and Culvert Pipe, Manhole Sections, and Fittings Using Rubber Gaskets	IRC	IPC	IPSDC					
B137.11-05 13	Polypropylene (PP-R) Pipe and Fittings for Pressure Applications	IRC	IPC						

B45.3-02 (R2008)	Porcelain Enameled Steel Plumbing Fixtures	IRC	IPC						
0437-Series-93 (R2006)	Standards on OSB and Waferboard (Reaffirmed 2001)	IRC							
ANSI CSA America FC 1-2003 2012 to be relocated under ANSI	Stationary Fuel Cell Power Systems	IFGC	IMC	IRC					
CAN/CSA B366.1-2009 2011	Solid-Fuel-Fired Central Heating Appliances	IgCC							
B483.1-07 14	Drinking Water Treatment Systems	IRC	IPC						
CSA C22.2 No. 218.1-M89(R2006 2011)	Spas, Hot Tubs and Associated Equipment	ISPSC							
C22.2 No. 236 05 -11 (R2009) M89(R2006)	Heating and Cooling Equipment (binational standard with UL 1995)	ISPSC							
C22.2 No. 108-01 (R2010)	Liquid Pump	ISPSC							
CTI									
Cooling Technology Institute									
Standard Reference Number	Title	Referenced in Code(s):							
STD-201 (2009 11)	Standard for Certification of Water Cooling Tower Thermal Performance	IECC							
DASMA									
Door and Access Systems Manufacturers									
Standard Reference Number	Title	Referenced in Code(s):							
105-92(R2004) -13	Test Method for Thermal Transmittance and Air Infiltration of Garage Doors	IECC							
107-97 (R2004 2012)	Room Fire Test Standard for Garage Doors Using Foam Plastic Insulation	IBC							
108-05 12	Standard Method for Testing Sectional Garage Doors and Rolling Doors: Determination of Structural Performance Under Uniform Static Air Pressure Difference	IBC	IRC						
115-05 12	Standard Method for Testing Sectional Garage Doors and Rolling Doors: Determination of Structural Performance Under Missile Impact and Cyclic Wind Pressure	IBC	IRC						
FEMA									
Federal Emergency Management Agency									
Standard Reference Number	Title	Referenced in Code(s):							
FEMA P646-08 12	Guidelines for Design of Structures for Vertical Evacuation from Tsunamis	IBC							
FEMA-FA/ TB-2-08	Flood-Damage Resistant Materials Requirements	IRC							
FIA-TB-11-01 FEMA-TB 11-01	Crawlspace Construction for Buildings Located in Special Flood Hazard Area	IBC	IRC						

FM		FM Global								
Standard Reference Number	Title	Referenced in Code(s):								
FM 4470 2009 2013	Approval Standard for <u>Single-Ply Polymer-Modified Bitumen Sheet, Built-Up Roof (BUR) and Liquid Applied Roof Assemblies for use in Class 1 and Noncombustible Roof Deck Construction Covers.</u>	IBC								
4474-04 <u>11</u>	American National Standard for Evaluating the Simulated Wind Uplift Resistance of <u>Roof/Ceiling Assemblies, Plastic Interior Finish Materials, Plastic Exterior Building Panels, Wall/Ceiling Coating Systems, Interior or Exterior Finish Systems Using Static Positive and/or Negative Differential Pressures</u>	IBC								
4880 (2005) <u>2010</u>	<u>Approval Standard for Class 1 Rating of Evaluating Insulated Wall or Wall and Roof/Ceiling Panels, Assemblies, Plastic Interior Finish Materials, Plastic Exterior Building, Wall/Ceiling or Coatings Systems, Interior or and Exterior Finish Systems</u>	IBC	IRC							
GA		Gypsum Association								
Standard Reference Number	Title	Referenced in Code(s):								
GA 216-07 <u>13</u>	Application and Finishing of Gypsum Panel Products	IBC								
GA-253-07 <u>12</u>	Recommended Standard Specification for the Application of Gypsum Sheathing	IRC								
GA-600-09 <u>12</u>	Fire- Resistance Design Manual, 48 th <u>20th</u> Edition	IBC								
HPVA		Hardwood Plywood and Veneer Association								
Standard Reference Number	Title	Referenced in Code(s):								
HP-1-2009 <u>2013</u>	Standard for Hardwood and Decorative Plywood	IBC	IRC	IgCC						
IAPMO		International Association of Plumbing and Mechanical Officials								
Standard Reference Number	Title	Referenced in Code(s):								
<u>CSA B45.5-11/ IAPMO Z124-2011</u> replaces ANSI Z124.1, 1.2, 2, 3, 4, 6, 9	Plastic Plumbing Fixtures	IRC	IPC							
<u>IAPMO Z124.7-2012</u> replaces ANSI Z124.7-97	Prefabricated Plastic Spa Shells	ISPSC								

ICC		International Code Council							
Standard Reference Number	Title	Referenced in Code(s):							
ICC A117.1-09 <u>14</u>	Accessible and Usable Buildings and Facilities	IBC	IFC	IZC	IEBC	IRC			
IBC-12 <u>15</u>	International Building Code	IRC	IFC	IMC	IPC	IPSDC	IFGC	IECC	IEBC IWUIC
IECC-12 <u>15</u>	International Energy Conservation Code	IBC	IRC	IMC	IPC	IFGC	IgCC	ISPSC	
IEBC-12 <u>15</u>	International Existing Building Code	IBC	IMC	IPMC	IgCC				
IFC-12 <u>15</u>	International Fire Code	IBC	IRC	IMC	IPC	IFGC	IECC	IEBC	IPMC
IFGC-12 <u>15</u>	International Fuel Gas Code	IBC	IRC	IFC	IMC	IPC	IECC	IEBC	IPMC
IMC-12 <u>15</u>	International Mechanical Code	IBC	IRC	IFC	IPC	IFGC	IECC	IEBC	IPMC
ICCPC-12 <u>15</u>	International Performance Code	IgCC							
IPC-12 <u>15</u>	International Plumbing Code	IBC	IRC	IFC	IMC	IPSDC	IFGC	IEBC	IPMC
IPSDC-12 <u>15</u>	International Private Sewage Disposal Code	IBC	IPC	IRC					
IPMC-12 <u>15</u>	International Property Maintenance Code	IBC	IRC	IFC	IEBC				
IRC-12 <u>15</u>	International Residential Code	IBC	IFC	IMC	IFGC	IEBC	IPC	IPMC	IgCC
IWUIC-12 <u>15</u>	International Wildland-Urban Interface Code	IBC	IFC						
IZC-12 <u>15</u>	International Zoning Code	IBC	IMC						
ICC 500-08 <u>14</u>	ICC/NSSA Standard on the Design and Construction of Storm Shelters	IBC	IRC						
ICC 600-08 <u>14</u>	Standard for Residential Construction In High Wind Regions	IBC	IRC						
ICC 700-2008 <u>12</u>	National Green Building Standard	IgCC							
IgCC-12 <u>15</u>	International Green Construction Code	IBC	ICCPC	IEBC	IECC	IFC	IFGC	IMC	IPC
IES		Illuminating Engineering Society							
Standard Reference Number	Title	Referenced in Code(s):							
TM-15-07 <u>11</u>	Luminaire Classification System for Outdoor Luminaires	IgCC							
IIAR		International Institute of Ammonia Refrigeration							
Standard Reference Number	Title	Referenced in Code(s):							
2-99 2014 (Addendum A-2005)	Addendum A to Equipment, Design, and Installation of Ammonia Mechanical Refrigerating Systems	IMC							
ISEA		International Safety Equipment Association							

Standard Reference Number	Title	Referenced in Code(s):							
ANSI/ISEA Z358.1-98 2009	Emergency Eyewash and Shower Equipment	IPC							
MSS	Manufacturers Standardization Society of the Valve and Fittings Industry								
Standard Reference Number	Title	Referenced in Code(s):							
MSS SP-6-04 <u>2012</u>	Standard Finishes for Contact Faces of Pipe Flanges and Connecting-End Flanges of Valves and Fittings	IFGC							
<u>ANSI</u> MSS SP-58 1993 <u>2009</u>	Pipe Hangers and Supports –Materials, Design, Manufacture, Selection, Application, and Installation	IRC	IFGC						
SP-69-2002 ANSI/MSS SP-58-2009	Pipe Hangers and Supports – <u>Materials, Design, Manufacture, Selection and Application , and Installation</u> <i>(SP69 will be withdrawn in 2014 and ANSI MSS SP-58-2009 replaces it)</i>	IMC							
NFPA	National Fire Protection Association								
Standard Reference Number	Title	Referenced in Code(s):							
10-40 <u>13</u>	Standard for Portable Fire Extinguishers	IFC	IBC						
13-40 <u>13</u>	Standard for the Installation of Sprinkler Systems	IFC	IBC						
13D-40 <u>13</u>	<u>Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes</u>	IFC	IRC	IBC					
13R- 40 <u>13</u>	<u>Standard for the Installation of Sprinkler Systems in Low-Rise Residential Occupancies Up to and Including Four Stories in Height</u>	IFC	IBC	IEBC					
14-40 <u>13</u>	<u>Standard for the Installation of Standpipe, Private Hydrants and Hose Systems</u>	IFC	IBC						
15-12	<u>Standard for the Water Spray Fixed Systems for Fire Protection</u>	IFC							
16-11	<u>Standard for the Installation of Foam-Water Sprinkler and Foam-Water Spray Systems</u>	IFC	IBC						
17-09 <u>13</u>	<u>Standard for Dry Chemical Extinguishing Systems</u>	IFC	IBC						

17A-09 <u>13</u>	<u>Standard for Wet Chemical Extinguishing Systems</u>	IFC	IBC						
20- 40 <u>13</u>	<u>Standard for the Installation of Stationary Pumps for Fire Protection</u>	IFC	IBC						
22-08 <u>13</u>	<u>Standard for the Water Tanks for Private Fire Protection</u>	IFC							
24- 40 <u>13</u>	<u>Standard for the Installation of Private Fire Service Mains and Their Appurtenances</u>	IFC							
25-44 <u>13</u>	<u>Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems</u>	IFC	IPMC						
30A-42 <u>15</u>	<u>Code for Motor Fuel Dispensing Facilities and Repair Garages</u>	IFC	IMC	IFGC					
30B-42 <u>15</u>	<u>Code for the Manufacture and Storage of Aerosol Products</u>	IFC							
31-44 <u>15</u>	<u>Standard for the Installation of Oil-Burning Equipment</u>	IFC	IRC	IMC	IBC				
32-44 <u>15</u>	<u>Drycleaning Plants</u>	IFC	IBC						
33-44 <u>15</u>	<u>Standard for Spray Application Using Flammable or Combustible Materials</u>	IFC							
34-44 <u>15</u>	<u>Standard for Dipping and Coating Processes Using Flammable or Combustible Liquids</u>	IFC							
35-44 <u>15</u>	<u>Standard for Manufacture of Organic Coatings</u>	IFC							
37-40 <u>14</u>	<u>Installation and Use of Stationary Combustion Engines and Gas Turbines</u>	IMC	IFGC						
40-44 <u>15</u>	<u>Standard for the Storage and Handling of Cellulose Nitrate Film</u>	IFC	IBC						
45-44 <u>15</u>	<u>Standard on Fire Protection for Laboratories Using Chemicals</u>	IMC							
50-04 replaced with 55-13 that incorporates NFPA 50	<u>Bulk Oxygen Systems at Consumer Sites Compressed Gases and Cryogenic Fluids Code</u>	IPC							
51- 07 <u>13</u>	<u>Standard for the Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting, and Allied Processes</u>	IFC	IPC	IFGC					
51A-12	<u>Standard for Acetylene Cylinder Charging Plants</u>	IFC							

52-40 <u>13</u>	<u>Vehicular Fuel Gaseous System Code</u>	IFC							
55-40 <u>13</u>	<u>Standard for the Storage, Use and Handling of Compressed Gases and Cryogenic Fluids Code in Portable and Stationery Containers Cylinders and Tanks</u>	IFC							
58-44 <u>13</u>	<u>Liquefied Petroleum Gas Code</u>	IFC	IBC	IRC	IMC	IFGC			
59A 40 <u>13</u>	<u>Standard for the Production, Storage and Handling of Liquefied Natural Gas (LNG)</u>	IFC							
61- 08 <u>13</u>	<u>Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities</u>	IFC	IBC						
69-08 <u>14</u>	<u>Standard on Explosion Prevention Systems</u>	IFC	IMC						
72- 40 <u>13</u>	<u>National Fire Alarm and Signaling Code</u>	IFC	IBC	IRC	IMC	IEBC	IgCC	IWUIC	
80- 40 <u>13</u>	<u>Standard for Fire Doors and Other Opening Protectives</u>	IFC	IBC						
82-09 <u>14</u>	<u>Standard on Incinerators, Waste and Linen Handling Systems and Equipment, 2009 Edition</u>	IMC	IFGC	IBC	IRC				
85-11	<u>Boiler and Construction Combustion Systems Hazards Code</u>	IFC	IBC	IRC	IFGC				
86-44 <u>15</u>	<u>Standard for Ovens and Furnaces</u>	IFC							
88A-44 <u>15</u>	<u>Standard for Parking Structures</u>	IFGC							
91-40 <u>15</u>	<u>Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Noncombustible Particulate Solids</u>	IMC							
92B—09 <u>12</u>	<u>Smoke Control Management Systems in Malls, Atria, and Large Spaces</u>	IFC	IBC	IMC					
96-44 <u>13</u>	<u>Standard for Ventilation Control and Fire Protection of Commercial Cooking Operation</u>	IMC							
99-42 <u>15</u>	<u>Health Care Facilities Code</u>	IBC	IFC	IEBC	IBC				
101-42 <u>15</u>	<u>Life Safety Code</u>	IBC	IFC	IEBC					
105-40 <u>15</u>	<u>Installation Standard of for Smoke Door Assemblies and Other Opening Protectives</u>	IBC	IFC						

110-40 <u>15</u>	<u>Standard for</u> Emergency and Standby Power Systems	IFC	IBC	IECC					
111-40 <u>15</u>	<u>Standard on</u> Stored Electrical Energy Emergency and Standby Power Systems	IFC	IECC	IBC					
120-40 <u>15</u>	<u>Standard for</u> Fire Prevention and Control in Coal Mines	IFC	IBC						
160-44 <u>15</u>	<u>Standard for the Use</u> of Flame Effects Before an Audience	IFC							
170-09 <u>15</u>	Standard for Fire Safety and Emergency Symbols	IFC	IBC						
204-07 <u>15</u>	Standard for Smoke and Heat Venting	IFC							
211-40 <u>13</u>	<u>Standard for</u> Chimneys, Fireplaces, Vents, and Solid Fuel- Burning Appliances	IFC	IBC	IRC	IMC	IFGC			
221-09 <u>15</u>	Standard for High Challenge Fire Walls, Fire Walls and Fire Barrier Walls, 2009 Edition	IBC							
241-09 <u>13</u>	<u>Standard for</u> Safeguarding Construction, Alteration, and Demolition Operations	IFC							
253-44 <u>15</u>	Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source	IBC	IFC						
259-08 <u>13</u>	Standard Test Method for Potential Heat of Building Materials	IBC	IRC						
260-09 <u>13</u>	Standard Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture	IFC							
261-09 <u>13</u>	<u>Standard</u> Method of Test for Determining Resistance of Mock- Up Upholstered Furniture Material Assemblies to Ignition by Smoldering Cigarettes	IFC							
262-44 <u>15</u>	Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air- Handling Spaces	IMC							
274-09 <u>13</u>	Standard Test Method to Evaluate Fire Performance Characteristics of Pipe Insulation	IMC							

275-10 <u>13</u>	Standard Method of Fire Tests for the Evaluation of Thermal Barriers Used Over Foam Plastic Insulation	IBC	IRC						
285-11	Standard Fire Test Method of for the Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components	IBC							
286-11 <u>15</u>	Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth	IFC	IBC	IRC					
288-12	Standard Methods of Fire Tests of Floor-Horizontal Fire Door Assemblies Installed in Horizontally Fire-Resistance-Rated Floor Systems	IBC							
289-09 <u>13</u>	Standard Method of Fire Test for Individual Fuel Packages	IFC	IBC						
318-09 <u>15</u>	Standard for the Protection of Semiconductor Fabrication Facilities	IFC							
385- 07 <u>12</u>	Standard for Tank Vehicles for Flammable and Combustible Liquids	IFC							
407-12	Standard for Aircraft Fuel Servicing	IFC							
409-11 <u>15</u>	Aircraft Hangers	IFC	IBC	IFGC					
430-04 <u>400-13</u>	Storage of Liquid and Solid Oxidizers Hazardous Material Code	IFC							
484-12 <u>15</u>	Standard for Combustible Metals	IFC	IBC						
490-10 <u>400-13</u>	Storage of Ammonium Nitrate Hazardous Material Code	IFC							
495-10 <u>13</u>	Explosive Materials Code	IFC							
498-10 <u>13</u>	Standard for Safe Havens and Interchange Lots for Vehicles Transporting Explosives	IFC							
501-10 <u>13</u>	Standard on Manufactured Housing	IRC							
505-11 <u>13</u>	Fire Safety Standard Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operations	IFC							

654-06 <u>13</u>	<u>Standard for Prevention of Fire & Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids</u>	IBC	IFC						
655-12	<u>Standard for the Prevention of Sulfur Fires and Explosions</u>	IBC	IFC						
664-12	<u>Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities</u>	IBC	IFC						
701-10	<u>Standard Methods of Fire Tests for Flame-Propagation of Textiles and Films</u>	IFC	IBC						
703-12 <u>15</u>	<u>Standard for Fire Retardant Treated Wood and Fire Retardant Coatings for Building Materials</u>	IFC							
704-12	<u>Standard System for the Identification of the Hazards of Materials for Emergency Response</u>	IFC	IMC	IBC					
720-09 <u>15</u>	<u>Standard for the Installation of Carbon Monoxide (CO) Warning Equipment Dwelling Units</u>	IFC	IBC	IRC					
750-10 <u>13</u>	<u>Standard on Water Mist Fire Protection Systems</u>	IFC	IMC	IFGC					
853-10 <u>15</u>	<u>Installation of Stationary Fuel Cell Power Systems</u>	IRC							
1122- 08 <u>13</u>	<u>Code for Model Rocketry</u>	IFC							
1123-10 <u>13</u>	<u>Code for Fireworks Display</u>	IFC							
1124- 08 <u>13</u>	<u>Code for the Manufacturing, Transportation, Storage and Retail Sales of Fireworks and Pyrotechnic Articles</u>	IFC	IBC						
1125-12	<u>Code for the Manufacture of Model Rocket and High Power Rocket Motors</u>	IFC							
1126-11 <u>15</u>	<u>Standard for the Use of Pyrotechnics Before a Proximate Audience</u>	IFC							
1127- 08 <u>13</u>	<u>Code for High Power Rocketry</u>	IFC							
1142-12	<u>Standard on Water Supply for Suburban and Rural Fire Fighting</u>	IFC							
2001-12	<u>Standard on Clean Agent Fire Extinguishing Systems</u>	IFC	IBC						

NSF		NSF International							
Standard Reference Number	Title	Referenced in Code(s):							
3—2008 2010	Commercial Warewashing Equipment	IPC	IgCC						
14-2008e 2011	Plastics Piping System Components and Related Materials	IRC	IPC	ISPSC					
18-2007 2012	Manual Food and Beverage Dispensing Equipment	IPC							
40-2000 2012	Residential Wastewater Treatment Systems	IPSDC							
41-1999 2011	Nonliquid Saturated Treatment Systems (Composing Toilets)	IPSDC							
42-2007ae 2011	Drinking Water Treatment Units - Aesthetic Effects	IRC	IPC						
44-2007 2012	Residential Cation Exchange Water Softeners	IRC	IPC	IgCC					
50-2009 2012	Equipment for Swimming Pools, Spas, Hot Tubs, and other Recreational Water Facilities	IgCC	ISPSC						
53-2007a 2011a	Drinking Water Treatment Units - Health Effects	IRC	IPC						
58-2007 2012	Reverse Osmosis Drinking Water Treatment Systems	IRC	IPC	IgCC					
61-2008 2012	Drinking Water System Components - Health Effects	IRC	IPC	IgCC					
62-2007 2012	Drinking Water Distillation Systems	IPC							
350-2011	Onsite Residential and Commercial Water Reuse Treatment Systems	IgCC							
PCA		Portland Cement Association							
Standard Reference Number	Title	Referenced in Code(s):							
100-07 12	Prescriptive Design of Exterior Concrete Walls for One and Two-Family Dwellings (Pub. No. EB241)	IRC							
PCI		Prestressed Concrete Institute							
Standard Reference Number	Title	Referenced in Code(s):							
MNL 124-89 11	Design for Fire Resistance of Precast Prestressed Concrete	IBC							

PDI		Plumbing and Draining Institute							
Standard Reference Number	Title	Referenced in Code(s):							
PDI G101 (2003) 2012	Testing and Rating Procedure for Grease Interceptors with Appendix of Sizing and Installation Data	IPC							
PTI		Post-Tensioning Institute							
Standard Reference Number	Title	Referenced in Code(s):							
PTI DC -2007 10.5-12	Standard Requirements for Design and Analysis of Shallow Post-tensioned Concrete Foundation on Expansive Soils, Second Edition	IBC							
PTI DC 2007 10.5-12	Standard Requirements for Design and Analysis of Shallow Post-Tensioned Concrete Foundations on Expansive Soils, Third Edition	IBC							
RMI		Rack Manufacturers Institute							
Standard Reference Number	Title	Referenced in Code(s):							
ANSI/MH16.1—08 12	Specification for Design, Testing and Utilization of Industrial Steel Storage Racks	IBC							
SBCA		Structural Building Components Association							
Standard Reference Number	Title	Referenced in Code(s):							
BCSI-2008 2013	Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses	IRC							
CFS-BCSI-2008	<u>Cold Formed Steel Building Component Safety Information (CFSBCSI)</u> Guide to Good Practice for Handling, Installing & Bracing of Cold-formed Steel Trusses	IRC							
SMACNA		Sheet Metal & Air Conditioning Contractors National Assoc. Inc.							

Standard Reference Number	Title	Referenced in Code(s):							
SMACNA-85 2012	HVAC Air Duct Leakage Test Manual 2nd Edition	IECC-C	IgCC						
SMACNA-/ANSI 2005 2015	HVAC Duct Construction Standards - Metal and Flexible 4 th Edition (ANSI)	IMC							
SPRI		Single-Ply Roofing Institute							
Standard Reference Number	Title	Referenced in Code(s):							
ANSI/SPRI RP-4-08 13	Wind Design Guide for Ballasted Single-ply Roofing Systems	IBC							
ANSI/SPRI/FM4435-ES-1-03 11	Wind Design Standard for Edge Systems Used with Low Slope Roofing Systems	IBC							
TIA		Telecommunications Industry Association							
Standard Reference Number	Title	Referenced in Code(s):							
222-G-2005	Structural Standards for Antenna Supporting Structures and Antennas, including - Addendum 1, 222-G-1 dated 2007, and Addendum 2, 222-G-2 Dated 2009, Addendum 3, 222-3 dated 2013, and Addendum 4, 222-G-4 dated 2014	IBC							
TMS		The Masonry Society							
Standard Reference Number	Title	Referenced in Code(s):							
216-97 2013	Standard Method for Determining Fire Resistance of Concrete and Masonry Construction Assemblies	IBC							
302-07 2012	Standard Method for Determining the Sound Transmission Class Rating for Masonry Walls	IBC	IRC	IgCC					
402-11 2013	Building Code for Masonry Structures	IBC	IRC						
403-10 2013	Direct Design Handbook for Masonry Structures	IBC	IRC						
602-11 2013	Specification for Masonry Structures	IBC	IRC						
TPI		Truss Plate Institute							

Standard Reference Number	Title	Referenced in Code(s):							
TPI 1-2007 2012	National Design Standards for Metal Plate Connected Wood Truss Construction	IBC	IRC						
UL	Underwriters Laboratories								
Standard Reference Number	Title	Referenced in Code(s):							
9-2009	Fire Tests of Window Assemblies, <u>with Revisions through April 2005</u>	IBC							
14B-2008	Sliding Hardware for Standard Horizontally Mounted Tin Clad Fire Doors - <u>with Revisions through July 2000</u>	IBC							
14C-2006	Swinging Hardware for Standard Tin Clad Fire Doors Mounted Singly and in Pairs, <u>with revisions through December 2008</u>	IBC							
17-2008	Vent or Chimney Connector Dampers for Oil-Fired Appliances, <u>with Revisions through January 2010</u>	IRC	IMC						
80-2007	Steel Tanks for Oil-Burner Fuels and Other Combustible Liquids <u>with Revisions through August 2009</u>	IRC	IFC						
103-2004 <u>2010</u>	Factory-Built Chimneys, for Residential Type and Building Heating Appliances with Revisions through July 2012	IBC	IMC	IFGC	IRC				
127-08 <u>2011</u>	Factory-Built Fireplaces - <u>with Revisions through January 2010</u>	IBC	IRC	IMC					
142-06	Steel Aboveground Tanks for Flammable and Combustible Liquids <u>with Revisions through February 2010</u>	IFC							
174-04	Household Electric Storage Tank Water Heaters - with Revisions through May 2006 <u>September 2012</u>	IRC	IMC						

180-03 <u>2012</u>	Liquid-level Indicating Guarges for Oil Burner Fuels- with revision through March 2007 and <u>Other Combustible Liquids</u>	IRC	IMC						
197-2003 <u>2010</u>	Commercial Electric Cooking Appliances - with revisions through March 2006 <u>June 2011</u>	IMC							
217-2006	Single and Multiple Stations Smoke Alarms - with revisions through April 2010 <u>2012</u>	IBC	IRC	IFC					
263-03 <u>2011</u>	Standard for Fire Test of Building Construction and Materials with revisions through <u>October 2007</u>	IBC	IRC	IWUIC	IMC				
294-1999	Access Control Systems Units with Revisions through <u>September 2010</u>	IBC	IFC						
300-2005 <u>(R2010)</u>	Fire Testing of Fire Extinguishing Systems for Protection of Restaurant Cooking Equipment <u>with Revisions through July 16, 2010</u>	IBC	IFC						
305-97 <u>2012</u>	Panic Hardware	IBC	IFC						
325-2002	Door, Drapery, Gate, Louver and Window Operators and Systems - with Revisions through February 2010 <u>January 2012</u>	IBC	IFC	IRC					
372-2007	Automatic Electrical Controls for Household and Similar Use - Part 2: Particular Requirements for Burner Ignition Systems and Components with revisions through July 25, 2011 <u>2012</u>	ISPSC							
378-06	Draft Equipment, <u>with Revisions through January 2010</u>	IRC	IMC						
391-2006 <u>2010</u>	Solid-Fuel and Combination-Fuel Central and Supplementary Furnaces	IMC							
412-2004 <u>2011</u>	Refrigeration Unit Coolers - with Revisions through January 2009 <u>August 2012</u>	IMC							
499-05	Electric Heating Appliances-with revisions through <u>January 2009</u>	IMC							

	<u>April 2012</u>								
555-2006	Fire Dampers-with revisions through May 2010 <u>2012</u>	IBC	IMC						
555S-1999	Smoke Dampers - with Revisions through May 2010 <u>2012</u>	IBC	IMC						
641-1995 <u>2010</u>	Type L Low-Temperature Venting Systems - with Revisions through July 2009	IBC	IRC	IMC	IFGC				
651-05 <u>2011</u>	Schedule 40 and Schedule 80 Rigid PVC Conduit and Fittings with revisions through March 2010 <u>2012</u>	IFGC	IRC						
705-2004 <u>Revision 5</u>	Standard for Power Ventilators with revisions through March 2012	IMC							
710B-2004 <u>2011</u>	Recirculating Systems with Revisions through December 2009	IBC	IFC	IMC					
723-08	Standard for Test for Surface Burning Characteristics of Building Materials with Revisions through September 2010	<u>IBC</u>	IFC	IWUIC	IRC				
726-1995	Oil-Fired Boiler Assemblies - with Revisions through April 2010 <u>2011</u>	IRC	IMC	IECC					
729-03	Oil-Fired Floor Furnaces with revisions through April 2010 <u>August 2012</u>	IRC	IMC						
730-03	Oil-Fired Wall Furnaces with revisions through April 2010 <u>August 2012</u>	IRC	IMC						
731-1995	Oil-Fired Unit Heaters with Revisions through April 2010 <u>August 2012</u>	IMC	IECC-C						
737-07 <u>2011</u>	Fireplaces Stoves-with Revisions through January 2010	IRC	IMC						
793-08	Automatically Operated Roof Vents For Smoke and Heat with Revisions through September 2011	IBC	IFC						
795-2006 <u>2011</u>	Commercial-Industrial Gas Heating Equipment with revisions through April 2010 <u>September 2012</u>	IRC	IFGC						

842-07	Valves for Flammable Fluids, with Revisions through April 2011	IRC	IMC						
858-05	Household Electric Ranges - with Revisions through May 2010 April 2012	IMC	IRC						
864-03	Standard for Control Units and Accessories for Fire Alarm Systems-with Revisions through February 2010 August 2012	IBC	IFC						
867-00 <u>2011</u>	Electrostatic Air Cleaners-with Revisions through February 2010	IMC							
873-2007	Temperature-Indicating and -Regulating Equipment, with revisions through July 25, 2011-2012	ISPSC							
875-09	Electric Day Bath Heaters with revisions through October 2009 November 2011	IMC	IRC						
896-1993	Oil-Burning Stoves - with Revisions through May 2010 August 2012	IRC	IMC						
900-04	Air Filter Units- with revisions through November 2009 February 2012	IFC	IMC						
907-94 <u>2010</u>	Fireplace Accessories - with revisions through July 2006 April 2010	IMC							
924-06	Emergency Lighting and Power Equipment with revisions through January 2009 February 2011	IBC	IFC						
959-2004 <u>2010</u>	Medium Heat Appliance Factory-Built Chimneys - with Revisions through June 2010	IRC	IMC	IFGC					
1004-1-08 <u>2012</u>	Standard for Rotating Electrical Machines General Requirements with revisions through June 23, 2011	ISPSC							
1026-07 <u>2012</u>	Electric Household Cooking and Food Services Appliances	IRC							
1037-99	Antitheft Alarms and Devices with Revisions through December 2009	IFC							
1040-1996	Fire Test of Insulated Wall Construction - with Revisions through September 2007	IBC	IRC						

	<u>October 2012</u>								
1042-94 <u>2009</u>	Electric Baseboard Heating Equipment-with revisions through <u>February 2008</u> <u>June 2010</u>	IRC							
1046-00 <u>2010</u>	Grease Filters for Exhaust Ducts <u>with revisions through January 2012</u>	IMC							
1081-2008	Standard for Swimming Pool Pumps, Filters and Chlorinators, with revisions through <u>March 31, 2010</u> <u>November 2011</u>	ISPSC							
1240-2005	Electric Commercial Clothes-Drying Equipment - with Revisions through <u>October 2009</u> <u>February 2011</u>	IMC							
1261-2001	Electric Water Heaters for Pools and Tubs - with Revisions through <u>June 16, 2010</u> <u>July 2012</u>	IRC	IMC	ISPSC					
1275-2005	Flammable Liquid Storage Cabinets with Revisions through <u>May 2006</u> <u>February 2010</u>	IFC							
1315-95	Standard for Safety for Metal Waste Paper containers-with Revisions through <u>August 2007</u> <u>September 2012</u>	IFC							
1363-2007	Relocatable Power Taps - with revisions through <u>October 2009</u> <u>September 2012</u>	IFC							
1453-04	Electric Booster and Commercial Storage Tank Water Heaters - with Revisions through <u>December 2009</u> <u>July 2011</u>	IRC	IMC						
1482-10 <u>2011</u>	Solid-Fuel Type Room Heaters	IBC	IRC	IMC	IgCC				
1563-2009	Standard for Electric Hot Tubs, Spas and Association Equipment with revisions through <u>March 31, 2010</u> <u>July 2012</u>	ISPSC							
1673-96 <u>2010</u>	Electric Space Heating Cables-with revision through <u>July 2003</u> <u>October 2011</u>	IRC							

1693-02 <u>2010</u>	Electric Radiant Heating Panels and Heating Panel Sets, <u>with Revisions through October 2011</u>	IRC							
1703-02	Flat-plate Photovoltaic Modules and Panels - with revisions through April 2008 <u>May 2012</u>	IBC							
1738-06 <u>2010</u>	Venting Systems for Gas-Burning Appliances, Categories II, III and IV, <u>with Revisions though May 2011</u>	IRC	IFGC						
1741-99 <u>2010</u>	Inverters, Converters, Controllers and Interconnection System Equipment with Distributed Energy Resources- <u>with revisions through November 2005</u>	IRC							
1815-09 <u>2012</u>	Standard for Nonducted Heat Recovery Ventilators	IMC							
1897-2004 <u>2012</u>	Uplift Tests for Roof Covering Systems <u>with revisions through May 2008</u>	IBC							
1978-05 2010	Grease Ducts	IMC							
1994-04	Luminous Egress Path Marking Systems with Revisions through April 2010 <u>November 2010</u>	IBC	IFC						
1995-2005 2011	Heating and Cooling Equipment, <u>with revisions through July 2009</u>	IRC	IMC	ISPSC					
1996-04 <u>2009</u>	Electric Duct Heaters-with revisions through July 2009 <u>November 2011</u>	IRC	IMC						
2017-2008	Standards for General-Purpose Signaling Devices and Systems-with Revisions through October 2009 <u>May 2011</u>	IBC	IRC						
2024-2008 <u>2011</u>	Standard for Safety Optical-Fiber and Communications Cable Raceway <u>,with Revisions through April 2011</u>	IMC							

2158-1997	For Electric Clothes Dryers - with Revisions through March 2009	IMC							
2158A-2006 2010	Outline of Investigation for Clothes Dryer Transition Duct	IRC	IMC						
2200-98 2012	Stationary Engine Generator Assemblies with Revisions through December 2009	IBC	IFC	IMC	IFGC				
2208-2005 2010	Solvent Distillation Units - with Revisions through December 2009 March 2011	IFC							
2221-2004 2010	Tests of Fire Resistive Grease Duct Enclosure Assemblies	IMC							
2335-04 2010	Fire Tests of Storage Pallets-with Revisions through March 2010 September 2012	IFC							
2518-02 2005	Air Dispersion System Materials	IMC							
2523-09	Standard for Solid Fuel-Fired Hydronic Heating Appliances, Water Heaters, and Boilers, with Revisions through October 2011	IRC	IgCC	IMC					
ULC/CAN		Underwriters Laboratories Canada							
Standard Reference Number	Title	Referenced in Code(s):							
CAN/ULC S102.2-1988 2010	Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies -with 2000 Revisions	IBC	IRC						
Reason: The CP 28 Code Development Policy, Section 4.5.1 requires the updating of referenced standards to be accomplished administratively, and be processed as a Code Change Proposal for consideration by the Administrative Code Change Committee. In September 2012, a letter was sent to each developer of standards that is referenced in the International Codes, asking them to provide ICC with a list of their standards in order to update to the current edition. Above is the list of the referenced standards that are to be updated based upon responses from standards developer.									
Public Hearing: Committee: AS AM D Assembly: ASF AMF DF									